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As reviewed in the Appendix, the information developed in Phase I, is background for Phase II casecontrol studies which evaluate causal hypotheses regarding the possible effects of AF service among enlisted women and officers, on risks of preterm delivery, pregnancy induced hypertension, and spontaneous abortion.

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FOREWORD

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<u>Diana Echevenia</u> Oct 1,97
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An Investigation of Reproductive Health Outcomes and Potential Risk Factors in Air Force Women

Phase 1: Technical Report 1

Natality Experience of Air Force Women, 1975-1994

John Herbold, Ph.D. and Kevin Grayson, Major, USAF, BSC

Co-Directors of Longitudinal Studies

December, 1997

Acknowledgment

The conceptual basis for this project came from initial protocols developed by Captain Joy Miller and Major Kevin Grayson of the Armstrong Laboratory, Brooks AFB, Texas. It also would have been impossible to implement the study without John Mellman's detailed knowledge of Air Force Medical Service inpatient databases, their historical development, and their organization and structure.

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A. Introduction

Phase I of this two phase study focuses on longitudinal descriptive analyses of natality and pregnancy outcomes among Active Duty Air Force (ADAF) women from 1975 to 1994. Observed rates for normal reproductive outcomes and rates of adverse pregnancy outcomes will be compared for the first time, across different demographic strata within the US Air Force. The distributions of such rates will indicate where interventions in prevention are needed and where improvements in health care planning could reduce adverse rates. The results will also provide a framework within which to interprete the reproductive consequences of future deployments. The last 5 years of data will be used to model outcomes and project future natality and adverse pregnancy outcomes by command. The primary source of data are the Air Force Medical Support Agency (AFMSA) Standard Inpatient Record and the Armstrong Laboratory Human Resources Directorate historical files.

The Phase I technical objectives will:

1. Describe the natality and adverse reproductive outcome experience of ADAF women over 20 years from 1975 to 1994.

2. Describe differences in natality and adverse reproductive outcome rates for ADAF women by age, race, rank, occupation, marital status, pay-grade, and command.

3. Use 1990-1994 data to model future rates of natality and adverse reproductive outcomes for US Air Force Commands.

The descriptive information developed in Phase I, will be used as a background for Phase II analytic epidemiologic studies which evaluate causal hypotheses regarding the possible effects of Air Force service, among ADAF enlisted women and officers, on risks of pre-term delivery, pregnancy induced hypertension, and spontaneous abortion. A case-control study among a cohort of ADAF women from 1990 to 1996 will examine potential associations between lifestyle and occupational risk factors and the three adverse pregnancy outcomes. The Phase II study hypothesis is that occupational exposures in the Air Force are associated with adverse pregnancy outcomes among ADAF women and technical objectives cover these research questions:

1. Are there associations between employment pertaining to AF occupations and pre-term delivery, spontaneous abortion, or pregnancy induced hypertension?

2. Are there associations between chemical or physical exposures in AF occupations and pre-term delivery, spontaneous abortions, or pregnancy induced hypertension?

3. Do the resultant odds ratios differ by age, race, smoking, alcohol consumption, rank, duration of service, occupation, and pay-grade

A draft of the 20 year natality experience of women in the Air Force is presented in this annual report, but a final draft document will be provided separately. Thus the Body, Conclusion, and References of the annual report pertain to the draft Report I.

Report II (to be completed later this year) will present separate findings of the 20 year adverse outcome experience of women in the Air Force. Case definitions for adverse outcomes have been tested across time periods and are complete and the data analysis is being conducted now.

With respect to Phase II studies, preparatory tasks on the three Phase II case-control studies have been completed including case-definition and selection of sets of cases and controls for each outcome (See Appendix). We are currently generating the CATI questionnaire for medical extraction and the industrial hygiene assessments appropriate for data collection.

B. Objectives

This study: 1) describes the natality experience of active duty Air Force (ADAF) women over a 20 year period, 1975 through 1994; 2) describes differences in natality rates for ADAF women by age, race, rank, occupation, marital status, major command and geographical region; and 3) projects the potential impact of natality rates for the changing demographic structure of the Air Force. Data for the project are based on the Air Force Medical Support Agency (AFMSA) Standard Inpatient Data Record and the Armstrong Laboratory Human Resources Directorate historical files. The report is the first in a series of studies entitled "An Investigation of Reproductive Health Outcomes and Potential Risk Factors in Air Force Women," supported by the Defense Women's Health Research Program.

Natality among Active Duty Air Force (ADAF) women is particularly relevant to the Air Force as the leader among the military services in providing equal opportunity for women to enter all career fields not restricted by congressional legislation. Since 1975, Air Force policy has been to allow pregnant women to remain on active duty and to continue in the work force after the birth of their child. As a result, obstetrical conditions have become the single largest cause of hospitalization for Air Force women (69 percent), exceeding the total hospitalization rates for males. The repeal of the Combat Exclusion Act of 1993 gave women in the military access to all occupational (including combat) categories. However, even prior to the 1993 decision, 99.7 % of the jobs in the Air Force were open to women (Poindexter, 1994). As of

September, 1996, 17% of Air Force personnel are women with these 64,176 airmen accounting for 15.8 % of the officers and 16.9% of the enlisted force (USAF Almanac, 1997).

This report provides the descriptive framework to better understand the relationship between fully employed work status (active duty) and patterns of natality; and to estimate future health needs for the female ADAF population. Historical descriptions of active duty Air Force (ADAF) reproductive rates are essential to plan for the future. The historical profile provides a framework within which to interpret the reproductive consequences of an increasing operations tempo including multiple deployments and separation from family. Variability in natality rates across different demographic strata provide direction for targeted programs for occupational exposure protection, provision of health services, and personal implementation of lifestyle changes to protect the health of the mother and child. The baselines developed also provide the required background of descriptive information for three analytic case-control studies that will evaluate hypotheses identified in the literature regarding the possible adverse occurrence of pre-term delivery, pregnancy induced hypertension, and spontaneous abortion among active duty Air Force women. Maternal occupation has been reported to have adverse effects on pregnancy outcomes for several types of occupations (Rothberg 1984; Hoiberg and White 1992; Thomas and Edwards 1989) and some investigators have described military pregnancies as "high risk" (Kruger 1979; Birdsong 1987; Ramirez et al 1990; Magann and Nolan 1991). This is the first population based study to determine overall natality rates; therefore, results from this study will be useful to the Air Force for future investigations where pre-established rates of natality and adverse birth outcomes have not been readily available

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(e.g. as a standard against which the rate of spontaneous abortion among women deployed to a given operation, or employed in a particular occupational field, might be compared).

C. Background and Significance

Not only are women a significant part of the Air Force workforce, female Air Force officers and enlisted personnel are a unique sub-population of American working women. Their organizational setting provides a unique opportunity to examine factors influencing natality rates and adverse pregnancy outcomes over time. Unlike most civilian studies, ADAF women's natality statistics will afford insights into the role of multiple maternal demographics, such as age at childbirth, race/ethnicity, marital status, income, and occupation, while eliminating the confounding influence of lack of access to health care and unemployment (Fox et al, 1977, Kruger, 1979, Buttemiller, 1984, Birdsong, 1987, Ramirez et al, 1990, Kugler et al, 1990, Magann & Nolan, 1991, Adams et al, 1993, Irwin et al, 1994, Alexander et al, 1993). Difficulty in assessing these factors complicates the interpretation of many studies conducted in the civilian setting. The passage of Public Law 90-130 in 1967 encouraged more women to join the Air Force, and women have continued to become increasingly integrated into nontraditional and operational roles.

The structure and availability of Air Force data are relatively consistent across time providing more accurate analyses of demographic and work-related factors. On a practical level, 20-year baseline rates over a range of pregnancy outcomes provides an internal standard against which, for example, the rate of spontaneous abortions among women engaged in specific occupations or military operations can be compared. The tabulation of this information not only increases our understanding of the demographics of reproduction among ADAF women,

but also provides needed background information to help target health promotion programs, health services planning, and ultimately, to contribute to force readiness.

Civilian natality rates vary significantly with age and race (NCHS, 1993a). Marital status also affects fertility as rates are higher among unmarried minority women (NCHS, 1993b). But it has been demonstrated that much of the reported changes are associated with single, nonwhite status and are related to financial barriers to care (Berkowitz, 1981). Natality rates also decline with employment. Almost a threefold difference in rates was observed for employed women of the same age (NCHS, 1993a). The recent deployment of troops in "Desert Shield" and "Desert Storm" reemphasizes the importance of documenting historical trends of natality as well as the frequency of adverse pregnancy experiences over time among ADAF women (US Senate, 1994). Studies have examined the relationship between adverse pregnancy outcomes and race and active duty status, but none have examined changes in rates over a 20year interval of time. An Army study (Ramirez et al. 1990) showed that women employed in physically demanding jobs have increased odds of pre-term delivery, up to 75 percent greater than women employed in jobs with low physical demand. When compared to military dependent wives, active duty women have been shown to be at increased risk for ectopic pregnancy (Birdsong, 1987), pregnancy induced hypertension (Magann & Nolan, 1991), and pregnancy toxemia, anemia, and pre-term labor (Fox et al, 1977). Another Air Force study (Kruger, 1979) reported that pre-eclampsia, perinatal mortality, and low birth weight infants were more frequent among active duty women, but the increase was not statistically different from the frequency among dependent military wives of similar age who use the same medical

care system. Therefore, military jobs were considered a potential risk factor for adverse reproductive outcomes. In contrast, two other studies have demonstrated that active duty women have fewer pre-term births (Buttemiler, 1984) and lower neonatal death rates (Kugler et al, 1990) when compared to military dependents of comparable age, marital status, and socioeconomic status (SES). Based on previous studies, it is unclear whether ADAF women are at greater risk for an adverse pregnancy outcome.

The lack of agreement between studies may be partially explained by differences in study design and failure to control for confounding factors. A study designed to include all pregnancy outcomes from all Air Force installations eliminates the potential for selection bias present in previous studies that only selected records from military referral hospitals (for example Fox et al, 1977, Kruger, 1979, Birdsong, 1987, Kugler et al, 1990). Methodological differences in many civilian studies contribute to contradictory reports on the effects of maternal job-related activity and occupational exposures on pregnancy outcomes. Occupational stress (Brandt & Neilsen, 1992, Homer et al, 1990), increased physical exertion and prolonged standing (Ramirez et al, 1990, Florack et al, 1993, Saurel-Cubizolles et al, 1985, Mamelle et al, 1984, Eskenazi et al, 1994, Teitelman et al, 1990), and exposures to toxicants (Lindbohm et al, 1990, Zhang et al, 1992, Taylor et al, 1984), have been associated with adverse pregnancy outcomes. However, these associations were often based on comparisons between employed and unemployed women where the choice of a suitable control group is difficult, and often results in an observed "healthy worker effect" (Bogue, 1987, Murphy et al, 1984, Stengel et al, 1987a, Stengel et al, 1987b). Employed women have higher SES and income, and better health care coverage than unemployed women (Kugler et al, 1990).

Air Force women are unique among women in the military. Air Force occupations and work-related exposures are particularly broad among women, as historically 96 percent of Air Force occupations have been open to women versus 20 percent in the Marine Corps, 50 percent in the Navy, and 55 percent in the Army (Office of the Assistant Secretary of Defense, 1988). Air Force women also represent a uniquely stable population within the military services with the highest first-term reenlistment rate of over 50 percent and highest career continuation rates among all military services of over 90 percent. The range of jobs and stability of employment among ADAF women provide a particularly suitable population within which to evaluate potential causal associations between both occupational and operational factors and adverse reproductive events.

This report provides a descriptive analysis extending over a twenty-year period of longitudinal natality trends among Air Force active duty women from 1975-1994. Age-specific natality rates are demographically compared within the AF by calendar year, race, rank, marital status, occupation, major Air Force command function, and geographic region where the mother was stationed. The largest proportion of total hospitalizations for ADAF women are due to pregnancy-related admissions, exceeding the hospitalization rates for males. Therefore, these descriptions of ADAF natality rates provide historical trends to more effectively target allocation of funds for prevention programs and health services planning. The Air Force is

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implementing managed health care centers. Given, that obstetrical services and associated adverse outcomes are expensive, the Air Force will need to model future needs based on the demographic characteristics of ADAF women. Lastly, the proposed results fill a gap in our interpretation of the reproductive consequences of deployment. Although the internal longitudinal natality trends associated with the changing demographic profiles of the Air Force are critical for internal planning, this study also provides some, albeit limited, comparisons between US Vital Statistics and US Air Force natality statistics. These comparisons provide the opportunity to evaluate the association between race, income, and marital status in a fully employed and fully insured group of women over their reproductive years.

Methods

A. Sources of Data

Reproductive histories were compiled based on inpatient hospital record abstracts maintained in the Air Force Medical Support Agency (AFMSA) Standard Inpatient Data Record (SIDR). The ADAF natality records selected from the SIDR included an initial broad range of International Classification of Diseases (ICD) codes consistent with reproduction and delivery of an infant (630-676). The study interval (1975-1994) includes three ICD versions (ICD-8, ICD-9, and ICD-9 CM). Patient identification, ICD codes, and demographic variables are all recorded in the same SIDR medical record abstract. The SIDR is a centralized database that contains records for all admissions to Air Force medical facilities since 1970. Air Force personnel receiving care in the hospitals of other services or in civilian institutions are also registered. Records from hospitalization in a civilian hospital are acquired at the time billings are submitted to the Air Force. Inpatient hospital record accessions at Army or Navy hospitals are obtained via a tri-service agreement that supports data standardization. Therefore, ascertainment of natality events among active duty women as recorded in the SIDR is assumed to be complete. Pregnancies are considered incident cases as women testing positive for pregnancy during an induction physical examination are not selected for active duty service. Women testing positive within 6 weeks of induction, during basic training, are also discharged from active duty service.

Based on the Standard Inpatient Data Record (SIDR) compiled by the Air Force Medical Support Agency, an ASCII data file was prepared by the Air Force containing the 1975-1994 hospitalization records for ADAF women with pregnancy-related ICD codes, plus the associated hospitalization records for babies up to thirty days old. Each woman's hospitalization records are identified with a person-specific ID number. This same personspecific ID number appears on the baby records for that individual's newborn children. Thus a woman with multiple pregnancy-related hospitalizations or one or more newborns can account for multiple records within the data set. There are a total of approximately 230,000 hospitalization records of which about 154,000 were for adults and about 76,000 were for newborns up to 30 days old. The adult hospitalizations are attributable to approximately 86,000 women. There were approximately 10,000 instances of women hospitalized for childbirth, for whom there was no corresponding newborn record. Thus, the data set does not include a newborn record corresponding to every mother record indicating childbirth. For newborns with serious health problems, there may be more than one hospitalization record. The ASCII data were read into a format suitable for use with statistical software, labeled, and analyzed with SPSS Version 7.5.

Air Force denominator data were obtained from the Human Resources Research Database
(HRRD) maintained by the Armstrong Laboratory Human Resources Directorate. The Human
Resources Directorate database is composed of approximately 460 unique data files
containing historical personnel records of all Air Force personnel since 1956. Demographic
profiles were constructed by the Air Force and provided as a series of Microsoft Excel

spreadsheets. They include the distribution of Air Force women from 1975-1994 by age, race, marital status, pay grade, occupation, and major command. The annual census reported for any given year varied slightly depending on the variable that was aggregated. Total census for age/race tables matched totals from the marital status tables. The pay grade and AFSC data summed to different annual totals, which differed by several thousand women. This discrepancy was adjusted by taking the percentage of women in each cell of the pay grade table and multiplying times the appropriate annual total from the age/race table. The process was repeated for AFSC. Normalizing the data yielded adjusted value tables for pay grade and AFSC that were comparable with the other demographic denominators. These data provide the baseline census of all Air Force women during the study interval.

Information for civilian comparisons was obtained from the Vital Statistics of the United States, Volume I - Natality, published annually by the National Center for Health Statistics and Current Population Reports, Population Characteristics, Volume P20-470, published by the U.S. Bureau of the Census.

B. Data Analysis

Using standard demography techniques (Shryock and Siegel, 1976), longitudinal analyses examined natality rates annually, every five years, and over the entire 20 year interval of time.

Rates are also expressed within and between selected stratified variables. These variables

include age, race, marital status, rank, occupation, major command function, and geographic location.

Natality is "a general term representing the role of births in population change and human reproduction" (Shryock and Siegel, 1976, page 273). Other terms frequently encountered include fertility, births, fecundity, etc. We report age-specific birth rates as the number of live births (as indicated on the mother's inpatient record) per 1000 women of a specific age in the total Air Force population that year. Stillbirths, miscarriages, and abortions are not, by demographic definition, included in counts of live births. The most common natality statistic computed is the crude birth rate defined as number of births in a year per 1000 midyear population. Our study population is restricted to Air Force Active Duty women, not all Air Force members; therefore, we adopted the General Fertility Rate (number of births per 1000 women of childbearing age) as the best overall natality measure for our study. The US Vital Statistics calculation of GFR uses a denominator of women 15-44. Our calculations included all women between 17-44. Age-specific birth rates are the number of births to women in a given age group per 1000 women in that age group. This statistic is valuable for making detailed comparisons of natality trends within groups that may have different underlying age distributions (e.g. occupations and/or major commands). It has been noted that age probably has the greatest influence on rising and falling natality rates. The Total Fertility Rate is an age-adjusted summary statistic useful for comparing trends across time and populations but is of a different magnitude than the GFR. Equal weight is given to 5-year increments of the

actual age-specific birth rates within a group to calculate one overall statistic for comparison purposes.

The results are descriptive in nature due to the study design. However, natality trends over time and within occupational groups and major commands (when adjusted for differences in age composition) can provide insight into the impact of shifting demographics on birth rates and birth outcomes for the Air Force of the future. Descriptive and modeling data for natality and birth outcomes have not been available for military women in general, and for Air Force women in particular. Our results provide baseline demographic statistics that can be used for planning health services and serve as background rates for related studies.

C. Definition of Variables

Age. Mother's age (years) was recorded on the inpatient record at the time of admission and transferred to the SIDR. We categorized age into 5-year increments except for 17-19 years old and 45 years and above.

Rank. Military rank was recorded as paygrade (E1-E9 for enlisted personnel and O1-O6 for officers). We categorized rank as Enlisted Grades E1-E3; E4-E6; E7-E9; Company GradesO1-O3; and Field Grades O4 and above. For enlisted personnel, the three categories generally indicate those in their first enlistment(E1-E3), technical specialists (E4-E6), and senior career non-commissioned officers (E7-E9). Company Grade Officers (O1-O3) include

Lieutenants and Captains and Field Grade Officers (O4-O6) include Majors Lieutenant Colonels, and Colonels.

Race. Race was recorded on the inpatient record as white, black, other, Asian, and Native American. We categorized race as white, black, and all others.

Marital Status. Marital status was recorded on the inpatient record as married, not married, annulled, divorced, interlocutory, single-never married, and widowed. We categorized marital status as married or non-married.

Occupation. Occupation was recorded in the inpatient record as the Air Force Specialty Code (AFSC). Occupational categories were described by two different systems of Air Force Specialty Codes (AFSC) over the twenty-year study period. From 1975 to the early 1990s, a four-digit code with prefixes and suffixes was used for officer occupations. A five-digit code was used for enlisted personnel. A new alphanumeric code was introduced in 1993 but appears in some records prior to the official implementation date. The Defense Manpower Data Center protocol for converting Air Force Specialty Codes to DOD groups and Standard Occupational Codes (SOC - US Department of the Census, 1990) was used as guidance for standardization of occupational groups. We categorized occupations by enlisted or officer status and by primary work category. Officer categories were: Tactical Operations; Intelligence, Engineering Maintenance; Scientists/Professionals; Health Care; Administration

/Executive Management; Supply/Procurement; and Other. Enlisted personnel categories were: Tactical Operations; Electrical/Communications/Intelligence; Health Care; Functional Support/Administration; Repair/Craftsman; Services; and, Other.

Major Command. Major Command of assignment was recorded on the inpatient record. The identifier "major command" may also indicate a direct reporting unit, field operation agency, or other organization entity within the military structure. Historically, the public is familiar with Strategic Air Command (SAC), North American Air Defense Command (NORAD) and more recently Air Combat Command (ACC). We categorized major commands according to their primary function: training; operations; logistics and R&D, and other.

Geographic Region. Historically, the Air Force has functioned in three general geographic regions: the continental United States; Pacific theater; and the European theater. In general, female personnel in the Pacific have predominantly been assigned to PACAF; those in Europe to USAFE; with the majority assigned in the continental United States.

III. Results and Conclusions

A. Demographic Characteristics of Air Force Women, 1975-1994

The purpose of this section is to provide the reader an appreciation for the actual numbers of women on active duty in the Air Force and the dramatic changes that have occurred over time. Age, race, marital status, paygrade, occupation, and geographic location are characteristics that have been reported to influence natality rates. Therefore, it is important for the reader to have the background information to put the 'rates' in perspective when interpreting the potential impact of natality on Air Force operations and the military health services system. As described previously, age is displayed as 17-19 years, 20-24 years, 25-29 years, 30-34 years, 35-39, years 35-39 years, 40-44 years, 45-49 years, and age unknown. Race is displayed as white, black, or other. Rank or pay grade is divided into three enlisted personnel categories (E1-3, E4-6, E7-9) and two officer categories (Company Grade (01-03) and Field Grade (04 and above)). Marital status is categorized as married or non-married. Air Force occupations are grouped into broad enlisted and officer categories that are reflective of the work accomplished and in general traceable to DOD and Bureau of Labor occupational categories. Major Command of assignment was aggregated according to the primary function of the command: training; operations; logistics and R&D, and other. Geographic area of assignment is based on the distribution of women in two "geographic" commands, USAFE and PACAF, in relation to the women on active duty not assigned to either USAFE or PACAF.

The total number of women on active duty during the period of 1975-1994 was 1,250,234 (Table 1). In 1975 there were approximately 30,335 women on active duty in the Air Force. The count of ADAF women peaked in 1987 with 76,003 women, and was at 66,168 in 1994 (Figure 1). Counts are based on end of year (December) census figures reported by the Air Force contrasted with more traditional mid-year figures, as end-of-year numbers are thought to be more stable in the Air Force population. The number of women between 17-19 years of age fluctuated over time with approximately 6,000 per year from 1975 to 1989 and declining to an average of 4,000 per year for the most recent 5-year period (1990-1994). The census for women ages 20-24 was approximately 22,000 per year for 1975-1979, rose to 29,000 per year for 1980-1984, declined slightly to 27,000 per year for 1985-1989, and was approximately 21,000 per year for 1990-1994. In contrast, the number of women between 25-44 rose dramatically in the 1980's and remained stable across all 5-year age groups in the 1990's. Women 25-29 years of age averaged slightly over 10,000 per year for 1975-1979; 19,000 for 1980-1984; 21,600 for 1985-1989; and, declined to 17,000 for 1990-1994. Women 30-34 years of age averaged 2100 per year for 1975-1979; 7400 for 1980-1984; 12,600 for 1985-1989; and, 12,700 for 1990-1994. The number of women over 35 years of age was relatively low into the early 1980's (averaging slightly less than 1500 for 1975-1979), but followed the same rising trend as the 25-34 year old group and by the 1990-1994 time period averaged 14,000 per year.

The racial distribution of ADAF women for the 20 year period 1974-1994 is shown in Table 2 and displayed in Figure 2.Approximately 80% of the workforce were classified as 'white' and slightly less than 20% were 'black'. A small proportion, less than 1%, was classified as 'other'. In the 1970's, black females were disproportionately represented in the younger age groups. By the 1990's, both major racial classifications were proportionally represented across all age groups.

The numbers and proportional distribution of ADAF women by Rank/Paygrade from 1975-1994 are shown in Table 3. and Figure 3. The proportion of women in the Field Grades has increased steadily since the mid-1980's eighties. In 1994, 27% of women officers were Field Grade or above compared with 17% in the 1970's. The proportion of enlisted women in the higher enlisted ranks including the 'top three' (E7-9) has changed dramatically over time. In the 1990's, enlisted women are represented across all enlisted ranks and a significant proportion are in the senior enlisted grades (E7-9).

The marital status of ADAF women from 1974-1994 is displayed in Table 4 and Figure 4. The percent of married and unmarried women was approximately 40% and 60% respectively, in 1975. By the mid 1980's, the proportion was about 50%-50%, and in the 1990's has remained at about 60% married compared to 40% non-married. These changes in marital status composition are consistent with what would be expected given the changes in age and pay grade described.

Phase 1: Technical Report 1- Natality Experience of Air Force Women, 1975-1994 An Investigation of Reproductive Health Outcomes and Potential Risk Factors in Air Force Women

The Air Force has a very extensive job classification protocol based on skills, knowledge, and training. The extensive and detailed Air Force Specialty Code system was reduced to the following 12 categories for Officer and Enlisted personnel:

Officer

Tactical Operations

Intelligence/Engineering/Maintenance

Scientists/Professionals

Health Care Field

Administrators/Executives

Supply/Procurement

Enlisted

Tactical Operations

Electronics/Communications/Intelligence

Health Care Workers

Functional Support/Administration

Repairers/Craftsmen

Services/Supply

The occupational distribution for the enlisted female workforce over the twenty-year study period is displayed in Table 5 and Figure 5. Over the entire twenty-year period, greater than 30% of the enlisted female workforce were in the Services/Supply occupational group. The

second most frequent work category for enlisted personnel was Health Care Workers (10%). The occupational distribution for the officer female workforce over the twenty-year study period is displayed in Table 6 and Figure 6. In contrast to the enlisted occupational distribution, greater than 40% of the female officers are in the Health Care Field. The second most frequent officer occupational grouping is Supply/Procurement. Over the decades, Air Force women's participation in all career fields expanded. Currently, greater than 98% of all Air Force occupational categories are open to women.

The majority of women in the Air Force are assigned to operational commands (Table 7). For the period 1975-1979, 60% of ADAF women were assigned to operational commands. From 1980-1994, this proportion remained constant at 65%. The proportion of ADAF women assigned to training commands ranged from 15-21% with an overall average of 17% for the period 1975-1994. Eight percent of ADAF women were assigned to Logistics, R&D (range of 7-8% per five year period); and 11% were assigned to other commands (range of 11-12%) (Figure 7).

From 1975-1994, the majority of ADAF women were assigned to stateside installations (Table 8). Approximately 10% of ADAF women were assigned to USAFE, a geographic command, predominantly located on the European continent and the British Isles.

Approximately 5% of all ADAF women were assigned to PACAF, a geographic command with installations throughout he Pacific but predominantly Japan, Korea, Philippines, and

Hawaii. The geographic assignment distribution of ADAF women has remained relatively consistent over the twenty-year study period (Figure 8).

In summary, ADAF women are well represented across all reproductive age groups today, a change from past decades. The racial composition of the Air Force has remained consistent over time, with approximately 80% of the force classified as white. Women are better represented in the senior paygrades today, also reflected in the changes in age distribution over time. The proportion of ADAF women married and non-married has changed from 40% married in the 1970's to 60% married in the 1990's. Enlisted women predominantly work in the Services/Supply occupational category, but an increasing proportion over the decades have entered non-traditional career fields such as Electronics/ Communication/ Intelligence.

Mcst frequently, female officers have been in the Health Care Field, with incremental increases in other occupational groups over the decades. The distribution of ADAF women by functional command of assignment has not changed over the years. And, from 1975-1994, most ADAF women were assigned stateside, with an increasing proportion assigned overseas through the early 1990's.

B. Natality Experience of Active Duty Air Force Women, 1975-1994

In 1975, public law was changed to permit women who became pregnant to remain on active duty. Until this time, if a woman became pregnant, she was required to separate from active duty shortly after the birth of the child. We chose 1975 as an appropriate starting point for this study because in that year motherhood and an Air Force career became legally compatible.

B.1. Natal Events and Natality

Vital statistics for births are usually abstracted from birth certificates collected in the civil registry. The statistics presented in this report, however, were abstracted from electronically archived medical records of the ADAF mothers and their infants. The initial set of mother's records included an initial broad range of International Classification of Diseases (ICD) codes consistent with reproduction and delivery of an infant (630-676) recorded between 1975-1994. The entire record set was searched for International Classification of Disease (ICD) codes indicative of a birth event. Additionally, an Air Force special categorical code entitled 'presentation of fetus' was available in the data set. We defined a composite variable that used all sources of available information (Mother's ICD and "V code" diagnosis for hospitalization, newborn hospital records, and Presentation of fetus codes) to capture birth events. Overall, mother's ICD and "V code" identified 64,415 birth events, newborn records 75,942, and the presentation of fetus code 77,306 birth events. Comparative numbers and the efficiency of different search algorithms are shown in Table 9 and Figure 9. Using all sources

of information, the composite number of non-duplicated birth events among active duty Air Force women from 1975-1994 totaled 86,740.

B.2. Births Among Active Duty Air Force Women

From 1975-1994, Active Duty Air Force women experienced 87,014 livebirths and 585 stillbirths (Table 10). Between 1975-1979, there were 10,911 livebirths. From 1980-1984, the number of livebirths increased over twofold for a total of 25,389 in that 5-year period. The annual number of livebirths remained stable from 1985-1989 producing 26,779 births overall. For the period 1990-1994, the total number of livebirths declined to 23,935. Ninety-eight percent of the livebirths were singletons (85,400); slightly less than 2% were twins (1581); and, there were 33 triplets. Over the twenty-year period, stillbirths (585) represented less than 1% of all births.

B.3. Mother's Age at Parturition

The distribution of mother's age at parturition is displayed in Tables 11a and 11b. The average age at parturition from 1975-1994 was 24.8 years (median value of 24.0 years)(Table 12). From 1975 to 1994, the average age at parturition increased from 23 years of age to 26 years of age. The average age increased approximately one year for each 5 year increment from a mean (median) of 22.9 (22.4) years old in 1975-1979; 24.0 (23.4) years old in 1980-1984; 25.3 (24.8) years old in 1985-1989; and 25.8 (25.0) years old in 1990-1994 (Table 12).

The increasing age at parturition from the mid 1970s into the late 1980s is also reflective of the changing age and pay grade distribution of the Air Force female workforce.

B4. Parity

A direct calculation of parity for ADAF women was not possible. We used a variable in the data set labeled Family Member Prefix as an estimate of changing trends in parity. Family member prefix is a personnel variable with various financial and legal beneficiary implications, and it may not in all cases represent the number of children ever born and pregnancies experienced by the mother at the time of birth. However, it provides some information on trends in family size over time. Table 13 displays the classification of the infant's family member prefix at birth. In the last half of the 1970s, approximately 76% of the infants were categorized as first child with 16% categorized as 2nd child. The proportions shifted over time so that by the late 1980s, 63% of the newborns were classified as first children and 27% as second child. In the 1990s, the trend continued with 58% classified as first child and 29% as second child. These trends are consistent with the changing status of women in the Air Force from primarily entry-level employment (one enlistment) toward regular career employment.

B5. Live Birth Rates

The General Fertility Rate (GFR), often referred to as the fertility rate, is defined in US Vital Statistics usage as the number of live births per 1,000 women of childbearing age (15-44). It is commonly used in US Census and Vital Statistics calculations. Differences in age composition within the childbearing years influence this rate and affect inter-group and intragroup comparison. The General Fertility Rate as applied to the active duty Air Force women is restricted to births to mothers between 17-44 years of age. The calculation of Total Live Births per 1,000 women for all ages demonstrates the comparability of the statistic 'Total Live Birth Rate' among the Air Force population to the 'General Fertility Rate' as calculated with Air Force specific numbers. This is partially a reflection of restrictions on pregnancy upon entry to active duty and the overall age range of women on active duty. The Total Live Birth Rate is used as a summary statistic for those instances when age specific rates, General Fertility Rates, and/or Total Fertility Rates could not be calculated for variables of interest (Occupational Group, Major Command Function, Geographical Region). The Total Fertility Rate (TFR) summarizes a set of age-specific birth rates for the entire childbearing span. In US Vital Statistics calculations, the Total Fertility Rate is computed as the sum of the agespecific birth rates for each age group from 15-44 years of age. The TFR is an age-adjusted rate based on the assumption that there are the same number of women (1,000) in each year age group and, therefore, controls for differences between populations in the distribution of women within the childbearing years. We calculated the TFR for active duty Air Force women in the age range 17-44 years of age. In this section, the TFR is used as an agestandardized summary rate for comparison of live birth rates within Air Force categories over the 1975-1994 time period. Total Live Birth Rates, General Fertility Rates, Total Fertility Rates, and Age-Specific Live Birth Rates for Active Duty Air Force Women from 1975-1994 are displayed in Table 14.

The General Fertility Rate (GFR) for Active Duty Air Force women over the twenty year period 1975-1994 was 70 live births per 1,000 women per year with yearly variations ranging from a low of 38 per 1,000 in 1975 to a high of 86 per 1,000 in 1982 (Table 14). The 5-year average GFR was 52 per 1,000 for 1975-1979; rose to 79 per 1,000 in 1980-1984; declined to 72 per 1,000 in 1985-1989; and remained stable at 70 per 1,000 for 1990-1994.

Age-specific birth rates for 1975-1994 are displayed in Table 14, Figure 14a, and Figures 14a1-14a7. The overall age-specific birth rate for 17-19 year olds for 1975-1994 was 38 per 1,000. For the 5 year period 1975-1979, the rate was 32 per 1,000, increased to 49 per 1,000 for 1980-1984, declined to 30 per 1,000 for 1985-1989, and increased to 42 per 1,000 for 1990-1994. The overall age-specific birth rate for 20-24 year olds for 1975-1994 was 87 per 1,000. For the 5 year period 1975-1979, the rate was 62 per 1,000, increased to 97 per 1,000 for 1980-1984, declined to 90 per 1,000 for 1985-1989, and increased to 96 per 1,000 for 1990-1994. The overall age-specific birth rate for 25-29 year olds for 1975-1994 was 81 per 1,000. For the 5 year period 1975-1979, the rate was 51 per 1,000, increased to 80 per 1,000 for 1980-1984, increased to 88 per 1,000 for 1985-1989, and increased to 93 per 1,000 for 1990-1994. The overall age-specific birth rate for 30-34 year olds for 1975-1994 was 55 per

1,000. For the 5 year period 1975-1979, the rate was 33.6 per 1,000, increased to 50.0 per 1,000 for 1980-1984, increased to 55.6 per 1,000 for 1985-1989, and increased to 61 per 1,000 for 1990-1994. The overall age-specific birth rate for 35-39 year olds for 1975-1994 was 24 per 1,000. For the 5 year period 1975-1979, the rate was 14 per 1,000, increased to 22 per 1,000 for 1980-1984, increased slightly to 25 per 1,000 for 1985-1989, and remained stable at 24 per 1,000 for 1990-1994. The overall age-specific birth rate for 40-44 year olds for 1975-1994 was 5 per 1,000. For the 5-year period 1975-1979, the rate was 1 per 1,000, increased to 6 per 1,000 for 1980-1984, increased slightly to 7 per 1,000 for 1985-1989, and declined to 4 per 1,000 for 1990-1994. The overall age-specific birth rate for active duty Air Force women 45 years and older for 1975-1994 was 1 per 1,000. For the 5-year period 1975-1979, there were no births recorded, the rate was 1.5 per 1,000 for 1980-1984, remained stable at 1.3 per 1,000 for 1985-1989, and was 1.1 per 1,000 for 1990-1994. Age-specific birth rates trends over time and comparisons between age groups are displayed in Figure 14a.

B6. Birth Rates By Racial Category

Live Births per 1,000, General Fertility Rates, Total Fertility Rates, and Age-Specific Births per 1,000 Active Duty Air Force Women by race (white, black, and all others) are displayed in Table 15.

For the period 1975-1994, the General Fertility Rate (GRF) for white active duty Air Force women was 70 per 1,000 compared with a GFR of 71 for black ADAF women, and 65 per 1,000 for all other racial groups combined (Table 15).

For the period 1975-1994, average age-specific live births per 1,000 ADAF women per year by race varied from 29-46 per 1,000 for 17-19 year olds, 73-909 per 1,000 for 20-24 year olds, 77-83 for 25-29 year olds, 52-66 for 30-34 year olds, 21-28 for 35-39 year olds, and 4-9 for 40-44 year olds. For the 1975-1979 and 1980-1984 time periods, 5-year averages for black ADAF women's age-specific birth rates consistently exceeded those of both other and white ADAF women's rates in the 17-19, 20-24, and 25-29 year old groups. However, in the 1985-1989 time period, the only pronounced differences between black and white age-specific rates were observed in the 17-19 year old group (41 versus 28 per 1,000) and the rates for white 20-24 year olds (93 per 1,000) and white 30-34 year olds (88 per 1,000) were higher or equal to the rates for black ADAF women in these age groups (87 and 89 per 1,000 respectively). Over the 1990-1994 time period, the range of age-specific Live Births per 1,000 by race had decreased with race specific rates for 17-19 year olds of 40 for white ADAF women, 49 for black ADAF women, and 42 for other ADAF women. Race specific rates for 20-24 year old ADAF women were equivalent [96 (white), 96 (black), and 97 (other)]. Race specific rates for 25-29 year old ADAF women were 95 (white), 87 (black), and 92 (other). Race specific rates for 30-34 year old ADAF women were 63 (white), 54 (black), and 73 (other)]. Race specific rates for 35-39 year old ADAF women were 25 (white), 21 (black), and 33 (other)]. Race specific rates for 40-44 year old ADAF women

were 4 (white), 4 (black), and 8 (other)]. Race and Age-specific Live Births per 1,000 trends from 1975-1994 are displayed in Figures 15a-c.

The Total Fertility Rate (TFR) by race for the twenty-year period was 1373 (white), 1382 (black), and 1353 (other)(Table 15). Race-specific TFRs increased annually from 1975 -1982 and remained level from 1982-1992. For 1993-1994, white and black TFRs declined. Conversely, the TFR for other race ADAF women rose and exceeded both white and black TFRs in 1993-1994 (Figure 15d).

B7. Birth Rates by Marital Status

Birth Rates by marital status are displayed in Table 16. The average General Fertility Rate for Married ADAF women, 1975-1994, was 108 per 1,000 per year. The GFR for Married ADAF women increased from an average of 98 per 1,000 ADAF women per year for the time period 1975-1979 to 119 per 1,000 per year for 1980-1984. The GFR declined to an average of 111 per 1,000 per year for 1985-1989 and declined to 101 per 1,000 per year for 1990-1994.

The average General Fertility Rate for Non-Married ADAF women, 1975-1994, was 20 per 1,000 per year. The GFR for Non-Married ADAF women increased from an average of 12 per 1,000 per year for the time period 1975-1979 to 19 per 1,000 per year for 1980-1984, to 21 per 1,000 per year for 1985-1989, and to 26 per 1,000 per year for 1990-1994.

Not unexpectedly, the birth rate for Non-Married women was substantially less (one-fifth to one-fourth) that of Married ADAF women over the 1975-1994 time period. However, Total Fertility Rates for both Married and Non-Married ADAF women increased steadily over the 20 year period with a low five year annual average TFR of 1847 and 180 for Married and Non-Married respectively in 1975-1979, 2457 and 304 respectively in 1980-1984, 2440 and 373 respectively in 1985-1989, and 2589 and 509 in 1990-1994 (Figure 16c). Additionally, the rate ratio of total births per 1,000 Non-Married ADAF women contrasted with Married ADAF women increased steadily over the 20 year period with an overall proportion of 19% (1975-1994) of the Total Live Births per 1,000 ADAF women to Non-Married personnel women with proportional changes of 12% for 1975-1979, 16% for 1980-1984, 19% for 1985-1989, and 26% for 1990-1994.

B8. Birth Rates By Rank/Pay Grade

Live births per 1,000, General Fertility Rates, Total Fertility Rates, and Age-Specific Births per 1,000 by Enlisted Grades E1-E3, E4-6, E7-9, Company Grades O1-3, and Field Grades O4 and above are displayed in Table 17.

Birth Rates for Enlisted Grades.

The overall average General Fertility Rate for Enlisted Grades E1-3 for 1975-1994 was 68 per 1,000 ADAF women per year. The annual average GFR was 47 per 1,000 E1-3 women for the 1975-1979 time period, rose to 77 per 1,000 for 1980-1984, declined to 70 per 1,000 for 1985-1989, and increased to 81 per 1,000 E1-3 enlisted women for 1990-1994. Age-Specific Live Births per 1,000 trends over time for Enlisted Grades E1-3 are displayed in Figure 17a. The overall average General Fertility Rate for Enlisted Grades E4-6 for 1975-1994 was 80 per 1,000 ADAF women per year. The annual average GFR was 71 per 1,000 E4-6 women for the 1975-1979 time period, rose to 92 per 1,000 for 1980-1984, declined to 81 per 1,000 for 1985-1989, and declined to 73 per 1,000 E4-6 enlisted women for 1990-1994. Age-Specific Live Births per 1,000 trends over time for Enlisted Grades E4-6 are displayed in Figure 17b. The overall average annual General Fertility Rate for Enlisted Grades E7-9 for 1975-1994 was 15 per 1,000 ADAF women per year . The annual average GFR was 13 per 1,000 E7-9 women for the 1975-1979 time period, rose to 26 per 1,000 for 1980-1984, declined to 19 per 1,000 for 1985-1989, and declined to 13 per 1,000 E7-9 enlisted women for 1990-1994. Age-Specific Live Births per 1,000 trends over time for Enlisted Grades E7-9 are displayed in Figure 17c.

Birth Rates for Company and Field Grades.

The average General Fertility Rate for Company Grades O1-3 for 1975-1994 was 49 per 1,000 ADAF women per year. The 5-year average GFR for the 1975-1979 time period was 28 per 1,000 O1-3 women, rose to 49 per 1,000 for 1980-1984, increased slightly to 52 per 1,000 for 1985-1989, and increased to 57 per 1,000 Company Grades O1-3 per year for 1990-1994. Age-Specific Live Births per 1,000 trends over time for Company Grades O1-3 are displayed in Figure 17d. The average General Fertility Rate for Field Grades O4 and above for 1975-1994 was 30 per 1,000 ADAF women per year. The 5-year average GFR was 10 per 1,000 O4+ women for the 1975-1979 time period, rose to 24 per 1,000 for 1980-1984, increased to 35 per 1,000 for 1985-1989, and remained constant at 33 per 1,000 Field Grades O4 and above women per year for 1990-1994. Age-Specific Live Births per 1,000 trends over time for Field Grades O4 and above are displayed in Figure 17e. Total Fertility Rates for ADAF Women Officers and Enlisted Grades for 1975-1994 are displayed in Table 17 and compared in Figure 17f. Over the 20-year period, the TFR for Officers was less than the TFR for Enlisted Grades. The TFR for both groups peaked in the early 1980's, remained consistent until 1990, with the Officer TFR rising until 1992, and both groups declining in 1993-1994.

B9. Birth Rates By Occupational Group

Enlisted Occupational Categories.

Enlisted personnel categories were: Tactical Operations; Electrical/ Communications/
Intelligence; Health Care; Functional Support/ Administration; Repair/ Craftsman; Services/
Supply; and, Other. Live Births per 1,000, General Fertility Rates, Total Fertility Rates, and
Age-Specific Live Births per 1,000 Active Duty Air Force (ADAF) Women by Enlisted Job
Group, 1975-1994 are displayed in Table 18.

General Fertility Rates for enlisted occupational categories for the 1975-1994 period averaged: 60 per 1,000 per year for Tactical Operations; 55 per 1,000 per year for Electrical/ Communications/ Intelligence; 72 per 1,000 per year for Health Care; 65 per 1,000 per year for Functional Support/ Administration; 45 per 1,000 per year for Repair/ Craftsman; and 65 per 1,000 per year for Services/ Supply. The GFR for Tactical Operations was 64 per 1,000 per year for 1975-1979, rose to 72 per 1,000 for 1980-1984, declined to 68 per 1,000 for 1985-1989, and declined to 54 per 1,000 per year for the 1990-1994 time period. The GFR for Electrical/ Communications/ Intelligence was 36 per 1,000 per year for 1975-1979, increased to 55 per 1,000 for 1980-1984, increased to 59 per 1,000 for 1985-1989, and increased to 67 per 1,000 per year for the 1990-1994 time period. The GFR for Health Care was 60 per 1,000 per year for 1975-1979, increased to 79 per 1,000 for 1980-1984, declined to 69 per 1,000 for 1985-1989, and increased to 74 per 1,000 per year for the 1990-1994 time

period. The GFR for Functional Support/ Administration was 57 per 1,000 per year for 1975-1979, increased to 85 per 1,000 for 1980-1984, declined to 51 per 1,000 for 1985-1989, and increased to 61 per 1,000 per year for the 1990-1994 time period. The GFR for Repair/ Craftsmen was 45 per 1,000 per year for 1975-1979, increased to 72 per 1,000 for 1980-1984, declined to 35 per 1,000 for 1985-1989, and increased to 39 per 1,000 per year for the 1990-1994 time period. The GFR for Services/ Supply was 64 per 1,000 per year for 1975-1979, increased to 74 per 1,000 for 1980-1984, declined to 64 per 1,000 for 1985-1989, and declined to 55 per 1,000 per year for the 1990-1994 time period.

Average Age-Specific Births per 1,000 per year for 1975-1994 by occupational category for 17-19 year olds ranged from a low of 28 per 1,000 per year for Electrical/ Communications/ Intelligence to a high of 39 per 1,000 per year for Functional Support/ Administration. Age-Specific Births per 1,000 for 20-24 year olds ranged from a low of 59 per 1,000 per year for Repair/ Craftsmen and Electrical/ Communications/ Intelligence to a high of 90 per 1,000 per year for Functional Support/ Administration. Age-Specific Births per 1,000 for 1975-1994 by occupational category for 25-29 year olds ranged from a low of 51 per 1,000 per year for Repair/ Craftsmen to a high of 85 per 1,000 per year for Functional Support/ Administration. Age-Specific Births per 1,000 for 30-34 year olds ranged from a low of 26 per 1,000 per year for Repair/ Craftsmen to a high of 50 per 1,000 per year for Electrical/ Communications/ Intelligence. Age-Specific Births per 1,000 for 1975-1994 by occupational category for 35-39 year olds ranged from a low of 11 per 1,000 per year for Repair/ Craftsmen to a high of 21 per 1,000 per year for Electrical/ Communications/ Intelligence. Age-Specific Births per

1,000 for 1975-1994 for 40-44 year olds was in the 2-4 per 1,000 range for all enlisted occupational categories. Trends in Age-Specific Rates per 1,000 per year, 1975-1994, for each enlisted occupational group are shown in Figures 18a-18g.

Total Fertility Rates for 1975-1994 by occupational category ranged from a low of 839 for Repair/ Craftsmen to a high of 1305 for both Health Care and Functional Support/ Administration. Trends in Total Fertility Rates from 1975-1994 by enlisted occupational category are shown in Figure 18h.

Commissioned Officer Occupational Categories.

Officer occupational categories were: Tactical Operations; Intelligence/ Engineering/
Maintenance; Scientists/ Professionals; Health Care; Administration/ Executive Management;
Supply/ Procurement; and Other. Live Births per 1,000, General Fertility Rates, Total
Fertility Rates, and Age-Specific Live Births per 1,000 Active Duty Air Force (ADAF)
Women by Officer Job Group, 1975-1994 are displayed in Table 19.

General Fertility Rates for officer occupational categories for the 1975-1994 period averaged: 31 per 1,000 per year for Tactical Operations; 37 per 1,000 per year for Intelligence/
Engineering/ Maintenance; 30 per 1,000 per year for Scientists/ Professionals; 46 per 1,000 per year for Health Care; 50 per 1,000 per year for Administration/ Executive Management; 34 per 1,000 per year for Supply/ Procurement; and 37 per 1,000 per year for Other Officers.

The GFR for Tactical Operations was 16 per 1,000 per year for 1975-1979, rose to 29 per 1,000 for 1980-1984, increased to 32 per 1,000 for 1985-1989, and increased to 35 per 1,000 per year for the 1990-1994 time period. The GFR for Intelligence/ Engineering/ Maintenance was 21 per 1,000 per year for 1975-1979, rose to 43 per 1,000 for 1980-1984, declined to 33 per 1,000 for 1985-1989, and increased to 43 per 1,000 per year for the 1990-1994 time period. The GFR for Scientists/ Professionals was 27 per 1,000 per year for 1975-1979, rose to 36 per 1,000 for 1980-1984, declined to 31 per 1,000 for 1985-1989, and declined to 27 per 1,000 per year for the 1990-1994 time period. The GFR for Health Care was 26 per 1,000 per year for 1975-1979, rose to 48 per 1,000 for 1980-1984, increased to 50 per 1,000 for 1985-1989, and remained stable at 51 per 1,000 per year for the 1990-1994 time period. The GFR for Administration/ Executive Management was 33 per 1,000 per year for 1975-1979, rose to 46 per 1,000 for 1980-1984, increased to 51 per 1,000 for 1985-1989, and increased to 54 per 1,000 per year for the 1990-1994 time period. The GFR for Supply/ Procurement was 24 per 1,000 per year for 1975-1979, rose to 32 per 1,000 for 1980-1984, increased to 38 per 1,000 for 1985-1989, and declined to 35 per 1,000 per year for the 1990-1994 time period.

Age-Specific Births per 1,000 for 1975-1994 by occupational category for 20-24 year olds ranged from a low of 7 per 1,000 per year for Supply/ Procurement to a high of 25 per 1,000 per year for Health Care. Age-Specific Births per 1,000 for 1975-1994 by occupational category for 25-29 year olds ranged from a low of 37 per 1,000 per year for Supply/ Procurement to a high of 65 per 1,000 per year for Scientist/ Professional. Age-Specific

Births per 1,000 for 30-34 year olds ranged from a low of 39 per 1,000 per year for Supply/ Procurement and Health Care to a high of 89 per 1,000 per year for Scientist/ Professional. Age-Specific Births per 1,000 for 1975-1994 by occupational category for 35-39 year olds ranged from a low of 21 per 1,000 per year for Health Care and Tactical Operations (22 per 1,000) to a high of 48 per 1,000 per year for Administrative/ Executive. Age-Specific Births per 1,000 for 1975-1994 for 40-44 year olds was in the 3-6 per 1,000 per year range for all officer occupational categories except for Administrative/ Executive (15 per 1,000 per year). Trends in Age-Specific Rates per 1,000 per year, 1975-1994, for each officer occupational group are shown in Figures 19a-f.

Trends in Total Fertility Rates from 1975-1994 by officer occupational category are shown in Figure 19g.

B9. Birth Rates By Major Command Function

Major Commands were categorized according to their primary function: training; operations; logistics and R&D, and all others. Live Births per 1,000 Active Duty Air Force (ADAF)

Women by Major Command Function for 1975-1994 are displayed in Table 20a.

Average Live Births per 1,000 ADAF women per year for 1975-1994 were 41 for Training,

70 for Operations, 69 for Logistics R&D, and 25 for All Others.

Five-year averages for Training Command Functions were 27 per 1,000 per year for 1975-1979, increased to 41 per 1,000 for 1980-1984, increased to 47 per 1,000 for 1985-1989, and remained stable at 46 per 1,000 per year for 1990-1994. Five-year averages for Operations Command Functions were 61 per 1,000 per year for 1975-1979, increased to 79 per 1,000 for 1980-1984, declined to 71 per 1,000 for 1985-1989, and declined to 66 per 1,000 per year for 1990-1994. Five year averages for Logistics R&D Command Functions were 57 per 1,000 per year for 1975-1979, increased to 77 per 1,000 for 1980-1984, declined to 71 per 1,000 for 1985-1989, and declined to 67 per 1,000 per year for 1990-1994. Five-year averages for All Other Command Functions were 39 per 1,000 per year for 1975-1979, declined to 33 per 1,000 for 1980-1984, declined to 13 per 1,000 for 1985-1989, and increased to 22 per 1,000 per year for 1990-1994.

Trends for Live Births per 1,000 ADAF women by major Command Function for 1975-1994 are displayed in Figure 20. Rates rose consistently for Training, Operations, and Logistics R&D Commands from 1975-1982. Operations and Logistics R&D Command rates declined in parallel from 1982-1994. Live Birth rates per 1,000 for Training Commands rose slightly over the same time period. Live Birth rates per 1,000 were equivalent for officers and enlisted women in Training Commands (40 and 41 per 1,000 respectively)(Table 20b). Live Birth Rates per 1,000 for enlisted women in Operations and Logistics R&D Commands were approximately twice those for officers (75/42 and 82/42 respectively)(Figures 20a and 20b).

B10. Birth Rates By Geographical Region

Live Births per 1,000 Active Duty Air Force (ADAF) Women by Geographical Region of assignment (Continental United States, Europe, and Pacific) are displayed in Table 21a.

The overall annual average by region for 1975-1994 was 62 Live Births per 1,000 per year for ADAF women stationed in the United States, 52 Live Births per 1,000 for ADAF women stationed in Europe, and 37 Live Births per 1,000 per year for ADAF women stationed in the Pacific. Regional rates for the enlisted force consistently exceeded the rates for officers (67/41 in the United States, 55/29 for Europe, and 39/28 for the Pacific)(Table 21b.). Trends over time by geographical region and rank/paygrade are displayed in Figures 21, 21a, and 21b.

C. Comparison of Air Force Natality with US Population Vital Statistics

Because measures of Air Force natality are based on hospitalization and personnel demographic records, and those for the general US population are based on registered births and survey data, the two are not strictly comparable. Nevertheless, where possible, it is useful to make comparisons between natality of women in the Air Force and in the general female population. As career opportunities for women in the Air Force have matured and stabilized, one would expect that over time natality measures for these women would also tend to stabilize and eventually parallel those of women in the general population. Because of differences in career demands and some non-comparability of natality data one would not expect measures for the two populations to be the same. By all the measures employed, however, there are clear consistencies in the patterns of similarities and differences that emerge over the study period.

Summary demographic measures of fertility (i.e. age specific, general, and total fertility rates for Air Force women for each year) are provided for comparison to those for women in the general United States population (Tables 14-15, 22-26). Because of the difference in beginning age of these measures (17 for Air Force women and 15 for US women) the rates are not precisely comparable. This is especially true for the general fertility rate and the total fertility rate, which are summary measures over all included ages. Therefore, the greater interest is in patterns of change rather than in specific comparisons of these rates. Some limited analysis focusing on selected age specific rates is also included.

The annual Air Force general fertility rate rose from approximately 50 births per 1000 women aged 17-44 per year in the 1970s to a peak of 70 per 1000 in the early 1980s. Since that peak, the rate declined steadily through 1994 (Table 28). Fertility of both black and white women in the Air Force followed the same general pattern; however, the general fertility rates of white women peaked at, and remained at, a somewhat higher level than those of black women. During the same period (ending in 1993), the general fertility rates of black and white women in the general US population remained nearly unchanged. Total fertility rates in the Air Force and the general population followed essentially the same paths as the general fertility rates.

Because of the difference in starting ages for the general and total fertility rates in the Air Force and US data, it is useful to focus on measures that are similarly defined. For this purpose trends in rates at the peak fertility ages--20-24 to 30-34--were chosen for analysis (Figures 28b and 28c). A comparison of these rates in the two populations shows the same temporal pattern as the general and total rates--i.e. a rise in Air Force fertility from 1975 to a peak in the early 1980s followed by a plateau or slight decrease. The trends are the same in both the white and black Air Force population (Figures 28b-28d). For summary purposes, a "truncated" total fertility rate restricted to the interval 20-34 years of age was calculated (Figure 28e). This measure again shows the same pattern in trends. Except for the early part of the period, black and white women had virtually identical fertility. Truncated total fertility rates for the US female population were consistently higher that those of Air Force women, the latter averaging about 20 percent lower than the former since the early 1980s.

Some comparisons can be made between Air Force and US employed women. While period fertility rates of the general US female population on average are higher than those of women in the Air Force, the latter have had consistently higher fertility rates than employed women in the United States labor force (Figures 27a-b). This finding is among the more surprising results of this study. A comparison of the data in Tables 27a-b shows that fertility rates of Air Force women averaged over 50 per cent higher than those of the general population of employed women from 1980 forward. These differences were recorded in both broad age groups 18-29 (17-29 for ADAF women) and 30-44. Just why this should have been the case is unknown. A small amount of the difference may be attributable to underlying differences in the data sources. Information on fertility of employed US women comes from responses to questions about births in the previous year which are provided by women included in the Bureau of the Census Current Population Survey. These responses may understate fertility slightly, but not enough to account for the differences evident in the data. A satisfactory explanation of the higher fertility of ADAF women over US employed women must await further research; however, it may be speculated that some of the difference may be attributable to the expectation by ADAF women of stable employment and readily available excellent health services in the Air Force.

D. Future Projections

Air Force natality rates are most strongly influenced by changing trends in age and marital status. As more women choose to stay on active duty past their initial commitment, several factors influencing overall natality rates converge. Women enter the age groups with the highest reproductive rates, are more likely to enter a period of career stability, and are more likely to begin families.

General Fertility Rates appeared to stabilize in the 1985- 94 time frame with overall annual averages ranging from 70- 74 per 1,000 per year in nine of the ten years. For the most reproductively active age groups, natality rates ranged from 84-102 per 1,000 per year for ADAF women 20-24 years old and 79- 98 per 1,000 per year for 25-29 year olds (Table 14).

By the 1990's, 54% of ADAF women were married compared with 44% in the 1970's (Table 4). In the 1990's, birth rates for married ADAF women were approximately 4 times higher than birth rates for non-married women (Table 16). This would equate to an incremental change of an additional 3 births per 1,000 ADAF women with an additional 10 % increase in the proportion of married ADAF women to 64% of the force. If 75% of ADAF women were married, the Air Force could expect an additional 8 births per 1,000 ADAF women over and above the 1990-94 average.

From 1990-94 women 20-29 years old represented 55% of all ADAF women and contributed 75% of the births. If the proportion of ADAF women in this age range increases above its current representation of 55% of the total female population, overall birth rates could increase 14% to 40% over current expectations. Conversely, if the proportion of 20-29 year old ADAF women declines, natality rates would be expected to decline.

The proportion of women with second, third, and fourth births increased incrementally over the twenty-year period. (Table 13). As discussed previously, this reflects the integration of ADAF women into the career Air Force. For 1990-1994, 29 % of the births were second children, 7% were third children, and 6% were fourth or higher. Trends over time indicate that many ADAF women found no conflict between active duty status and raising a family. This conclusion is supported by the comparison between ADAF natality rates with their civilian counterparts.

As the number of airmen on active duty in the Air Force continues to decline as a result of general reduction in the size of all armed forces, the absolute number of births will decline proportionate to the number of women on active duty. However, it is expected that with eventual stabilization of recruitment numbers and a maturation of the women remaining on active duty, that births will continue as significant life events among Air Force women.

Natality will impact the social structure of the Air Force work force and will remain an issue of occupational health concern as women are further integrated into non-traditional career fields.

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Year	Total	17-19	6	20-24	4	25-29	6	30-34	4	35-39	6	40-44	4	45-49	49	Unknown	OWT
	z	z	*	z	%	z	8	z	%	z	8	z	%	z	8	z	8
1975	30335	3942	13.0	17543	57.8	6239	20.6	1122	3.7	637	2.1	482	9.1	350	1.2	20	0.1
1976	36960	5640	15.3	20289	54.9	7999	21.6	1468	4.0	654	8.1	468	1.3	293	9.0	149	0.4
1977	41521	6037	14.5	22308	53.7	9819	23.6	1942	4.7	069	1.7	437	1.1	282	0.7	9	0.0
1978	48295	7148	14.8	24329	50.4	12775	26.5	2588	5.4	720	1.5	456	6.0	274	9.0	ເດ	0.0
1979	54822	7612	13.9	27204	49.6	15004	27.4	3481	6.3	765	4.	498	6.0	251	0.5	7	0.0
1975-1979	211933	30379	14.3	111673	52.7	51836	24.5	10601	5,0	3466	9.	2341	1.1	1450	2.0	187	0.1
1980	61039	8001	13.1	29605	48.5	17121	28.0	4606	7.5	930	1.5	501	8.0	250	4.0	25	0.0
1981	63672	6927	10.9	30273	47.5	18563	29.2	5886	9.2	1236	1.9	506	9.0	261	6.0	50	0.0
1982	64924	5458	8.4	29932	46.1	19637	30.2	7460	11.5	1629	2.5	536	8.0	237	4.0	35	0.1
1983	65827	4572	6.9	28994	44.0	20472	31.1	8876	13.5	2090	3.2	571	6.0	246	4.0	9	0.0
1984	02699	4508	6.7	27642	41.3	21036	31.4	10185	15.2	2745	4.1	592	6.0	260	4.0	7	0.0
1980-1984	322432	29466	9.1	146446	45.4	96829	30.0	37013	11.5	8630	2.7	2706	8.0	1254	0.4	88	0.0
1985	70546	5811	8.2	27210	38.6	21607	30.6	11403	16.2	3534	5.0	722	1.0	257	4.0	8	0.0
1986	74289	6694	9.0	27467	37.0	, 22148	29.8	12351	16.6	4448	6.0	925	1.2	254	0.3	7	0.0
1987	76003	299	8.6	27192	35.8	22184	29.2	12992	17.1	5585	7.3	1203	1.6	280	9.0	0	0.0
1988	75079	5784	7.7	25819	34.4	21625	28.8	13319	17.7	6700	8.9	1498	2.0	319	0.4	15	0.0
1989	75950	5964	7.9	26146	34.4	20462	26.9	13105	17.3	7816	10.3	2031	2.7	328	4.0	88	0.1
1985-1989	371867	30820	8.3	133834	36.0	108026	29.0	63170	17.0	28083	9.7	6379	1.7	1438	4.0	117	0.0
1990	73437	4919	6.7	22852	31.1	19745	26.9	13901	18.9	8917	12.1	2690	3.7	400	0.5	5	0.0
1991	71326	4087	5.7	21500	30.1	18268	25.6	13857	19.4	9749	13.7	3309	4.6	553	0.8	က	0.0
1992	67137	4631	6.9	19962	29.7	16188	24.1	12228	18.2	9603	14.3	3830	2.7	694	1.0	-	0.0
1993	65934	4442	6.7	19610	29.7	15484	23.5	11783	17.9	9475	14.4	4262	6.5	838	1 .3	40	0.1
1994	66168	2504	3.8	20351	30.8	15857	24.0	11894	18.0	9675	14.6	4786	7.2	1051	1.6	ß	6.
1990-1994	344002	20583	6.0	104275	30.3	85542	24.9	63663	18.5	47419	13.8	18877	5.5	3536	1.0	107	0.0
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■ Unknown ■17-19 ■35-39 □25-29 **45-49** ■ 30-34 ■ 20-24 ₩ 40-44 ₽861 . 0861 6/61 9/61

Figure 1. Number of ADAF Women by Age Group, 1975-1994

Year	Total	White	9	Black	×	Other	JE.
	Z	z	%	z	%	z	%
1975	30335	25025	82.5	4892	16.1	418	4.
1976	36960	30585	82.8	5603	15.2	772	2.1
1977	41521	34232	82.4	6228	15.0	1061	2.6
1978	48295	39290	81.4	7642	15.8	1363	2.8
1979	54822	44000	80.3	9171	16.7	1651	3.0
1975-1979	211933	173132	81.7	33536	15.8	5265	2.5
1980	61039	48713	79.8	10497	17.2	1829	3.0
1981	63672	50462	79.3	11305	17.8	1905	3.0
1982	64924	50742	78.2	12232	18.8	1950	ю С
1983	65827	51008	77.5	12797	19.4	2022	က်
1984	02699	51281	9.9/	13522	20.2	2167	3.2
1980-1985	322432	252206	78.2	60353	18.7	9873	3.1
1985	70546	53426	75.7	14680	20.8	2440	က်
1986	74289	55684	75.0	15832	21.3	2773	6
1987	76003	56627	74.5	16378	21.5	2998	3.0
1988	75079	55704	74.2	16335	21.8	3040	4.0
1989	75950	56749	74.7	15951	21.0	3250	4.3
1985-1990	371867	278190	74.8	79176	21.3	14501	3.9
1990	73437	54129	73.7	16137	22.0	3171	4
1991	71326	52568	73.7	15587	21.9	3171	4
1992	67137	49622	73.9	14471	21.6	3044	4
1993	65934	48579	73.7	14241	21.6	3114	4.
1994	66168	48597	73.4	14308	21.6	3263	4
1990-1994	344002	253495	73.7	74744	21.7	15763	4.6
1975-1994	1250234	957023	76.5	247809	19.8	45402	3.6

White Black □Other **†**661 *LL*61 9/61 9/6l

Figure 2. Number of ADAF Women by Race, 1975-1994

5.3 3.2 3.3 2.0 2.4 2.6 2.8 2.9 4.2 2.2 2.2 2.0 2.8 2.6 2.0 2.4 8 3.1 4 39710 3539 3716 3052 3323 1913 2151 2462 2730 10951 3664 1075 1192 6296 1066 1069 389 88 82 1507 z Table 3. Distribution of Active Duty Air Force (ADAF) Women by Rank/Paygrade, 1975-1994 13.4 13.4 13.9 13.3 12.9 14.0 13.9 13.9 14.0 10.6 12.0 4.4 14.2 10.4 3.9 4.3 14.6 13.7 01-03 Paygrade/Rank data was was adjusted to correspond to proportional distribution in Age/Race/Marital Status census. 167096 52653 10274 46087 10454 0559 10306 10622 24118 44239 10711 9887 8941 8507 8478 9418 9746 416 5026 9011 6560 8326 z Paygrade/Rank census was taken at a different time of year than Age/Race/Marital Status census. 2.4 4.2 0.4 22 6.1 6.7 0.5 0.3 0.3 ዖ E7-E9 30192 19764 2553 3102 3615 **4** 412 4545 1169 1613 2094 8229 1562 127 637 z 53.6 52.0 52.2 47.0 51.0 52.6 53.6 48.2 50.0 50.6 34.3 34.7 47.2 32.9 46.8 48.7 49.7 ፠ E4-E6 179522 185909 587599 152338 36609 39955 39355 34911 33288 32699 33870 35210 35843 38291 33717 24365 29774 31629 38251 16736 92/6 1561 14251 69831 z 34.0 32.9 29.0 26.5 24.0 22.8 23.3 23.7 23.6 33.2 30.7 52.5 52.9 33.4 31.8 36.6 31.9 52.2 45.3 35.1 38.1 ፠ E1-E3 114126 81334 425636 117998 17654 112178 24653 21778 20153 16250 15654 5635 21655 25335 27345 22818 21988 21307 22535 25007 19963 24231 z 1250234 344002 66970 322432 70546 74289 76003 75079 75950 371867 73437 71326 67137 65934 66168 211933 61039 64924 65827 36960 48295 54822 63672 41521 z 1975-1994 1985-1989 1990-1994 1980-1984 975-1979 1989 1990 1992 1984 1985 1986 1987 1988 1991 1978 1979 1982 1983 1976 1981 1977 Year

5.0

5.6 5.6

4.7

■ E4-E6 ■01-03 OE7-E9 **■** E1-E3 ■04+ **⊅66**1 9/61 - 20000

Figure 3. Number of ADAF Women by Rank/Paygrade, 1975-1994

	Total	Non-Married	rried	Married	
	z	z	%	z	%
1975	30335	17999	59.3	12336	40.7
1976	36960	22085	59.8	14875	40.2
1977	41521	23165	55.8	18356	44.2
1978	48295	26511	54.9	21784	45.1
1979	54822	29675	54.1	25147	45.9
1975-1979	211933	119435	56.4	92498	43.6
1980	61039	32694	53.6	28345	46.4
1981	63672	32544	51.1	31128	48.9
1982	64924	32290	49.7	32634	50.3
1983	65827	32322	49.1	33505	50.9
1984	02699	33367	49.8	33603	50.2
1980-1984	322432	163217	9.09	159215	49.4
1985	705'46	36254	51.4	34292	48.6
1986	74289	38373	51.7	35916	48.3
1987	76003	38883	51.2	37120	48.8
1988	75079	37590	50.1	37489	49.9
1989	75950	37100	48.8	38850	51.2
1985-1959	371867	188200	50.6	183667	49.4
1990	73437	34959	47.6	38478	52.4
1991	71326	.32850	46.1	38476	53.9
1992	67137	30746	45.8	36391	54.2
1993	65934	29231	44.3	36703	55.7
1994	66168	29158	44.1	37010	55.9
1990-1994	344002	156944	45.6	187058	54.4
. 4004 3004	100001	001100		0000	

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Non-Married Married 🖾 ⊅66l 6/61 *LL*61 9/61 - 00005 o

Figure 4. Number of ADAF Women by Marital Status, 1975-1994

	Total							Function	6						
	Enlisted	Tactical Ops	ops	Electr/Comm/Intell	im/Intell	Health Care	are	Support/Admin	dmin	Repair/Craftsmn	ıftsmn	Services/Supply	Supply	Other	إ
	z	z	8	z	*	z	æ	z	8	z	88	z	*	z	8
1975	25543	358	4.1	1203	4.7	2926	11.5	1027	0.4	394	1.5	7996	31.3	11639	45.6
1976	31634	485	1.	2130	6.7	4348	13.7	1371	£.	706	2.2	11807	37.3	10788	8.1
1977	36035	1587	4.4	2606	7.2	4677	13.0	1533	4.3	1032	5.9	12200	33.9	12400	8.4
1978	42218	1550	3.7	3162	7.5	5429	12.9	2016	8.	1564	3.7	14363	34.0	14134	33.5
1979	47256	1940	4.1	3702	7.8	5988	12.7	2307	4.9	2050	4.3	15632	33.1	15638	33.1
1975-1979	182686	5919	3.2	12803	7.0	23369	12.8	8254	4.5	5747	3.1	61997	33.9	64598	35.4
1980	52308	2722	4.3	4538	8.7	6654	12.7	2567	4.9	2393	4.6	18205	34.8	15679	30.0
1981	54335	2819	5.2	4694	8.6	6944	12.8	2779	5.1	2862	5.3	19136	35.2	15100	27.8
1982	54879	2861	5.2	4820	8.8	7219	13.2	2993	5.5	2883	5.3	19925	36.3	14178	25.8
1983	55132	2730	5.0	4573	8.3	7594	13.8	3238	5.9	2766	5.0	20762	37.7	13470	24.4
1984	55804	2386	4.3	4552	8.2	7774	13.9	3526	6.3	2603	4.7	21214	38.0	13749	24.6
1980-1984	272458	13068	8.	23177	8.5	36185	13.3	15104	5.5	13507	5.0	99242	36.4	72175	26.5
1985	58574	2938	5.0	4873	8.3	8178	14.0	3874	9.9	5448	9.3	22435	38.3	10828	18.5
1986	61747	3523	5.7	5082	8.2	8503	13.8	4150	6.7	6612	10.7	22686	36.7	11192	18.1
1987	63284	4144	6.5	5235	8.3	3886	14.0	4363	6.9	7540	11.9	23572	37.2	9551	15.1
1988	62243	4343	7.0	5138	8.3	8913	14.3	4923	7.9	12465	20.0	23105	37.1	3354	5.4
1989	62809	4340	6.9	5337	8.5	9274	14.8	4983	7.9	12965	20.6	23411	37.3	2499	4.0
1985-1989	308657	19288	6.2	25665	8.3	43747	14.2	22293	7.2	45030	14.6	115210	37.3	37425	12.1
1990	60239	4143	6.9	5108	8.5	9523	15.8	4957	8.2	11771	19.5	22314	37.0	2423	4.0
1991	58176	4187	7.2	4982	8.6	9575	16.5	4848	8.3	10899	18.7	21397	36.8	2289	3.9
1992	54707	3897	7.1	4796	8.8	9513	17.4	4696	8.6	9726	17.8	21399	39.1	681	1.2
1993	53749	2659	10.5	2388	4.4	9691	18.0	1401	5.6	8854	16.5	24720	46.0	1035	6.
1994	53946	8008	11.3	2427	4.5	9903	18.4	1388	5.6	8803	16.3	23994	4.5	1353	2.5
1990-1994	280816	23963	8.5	19701	7.0	48204	17.2	17290	6.2	50052	17.8	113824	40.5	7780	2.8

Services/ Supply ■ Electron/ Comm/ Intell ■ Repair/ Craftsmn ■Funct Support/ Admin ■ Tactical Ops □ Health Care Other †66t †86t *LL*61 9/61

Figure 5. Distribution of ADAF Enlisted Women by Job Group, 1975-1994

N N %		Total	Tactical	80	Intell/Eng/Maint	Maint	Scientist/Prof	//Prof	Health Care	e e	Admin/Exec	XP.	Supply/Procrant	ocimut	Other	
4792 173 3.6 193 4.0 31 0.6 3242 67.6 20 5336 228 4.3 235 4.4 38 0.7 3514 66.0 33 5486 228 4.3 235 6.0 59 1.0 3493 57.5 49 7566 611 8.1 800 7.9 100 1.3 3553 47.0 103 7566 611 8.1 8.0 7.9 100 1.3 3553 47.0 103 8731 730 8.4 7.4 100 1.3 3553 47.0 103 8731 730 8.4 7.4 10.2 100 1.2 103 17206 58.8 24 103 262 241 103 241 103 262 103 103 103 262 110 113 364 44.1 153 241 103 241 241 24		z	z	8	Z	8	z	88	z	8	z	8	z	æ	z	8
5326 228 4,3 235 4,4 38 0,7 3514 66.0 33 5486 238 5.4 275 5.0 44 0.8 3405 62.1 36 7586 611 8.1 600 7.9 100 1.3 3553 47.0 103 72947 1726 5.9 1665 5.7 270 0.9 17206 58.8 241 103 8731 730 8.4 714 8.2 136 1.6 3849 44.1 153 9337 873 9.3 822 8.8 165 1.8 3963 4.2 103 10045 986 9.9 941 9.4 207 2.1 4212 419 24 10046 986 9.9 941 9.4 207 2.1 4212 419 24 10695 1102 1141 10.2 207 2.1 4214	1975	4792	173	3,6	193	0.4	સ	9.0	3242	9.79	8	4.0	638	13.3	496	10.3
5486 298 54 275 5.0 44 0.8 3405 62.1 36 6077 416 6.8 362 6.0 59 1.0 3493 57.5 49 6 7566 611 8.1 600 7.9 100 1.3 3553 47.0 103 29247 1726 5.9 1665 5.7 270 0.9 17206 58.8 241 103 9337 873 9.3 874 774 8.2 136 1.6 3849 44.1 153 94 103 17206 58.8 241 103 100 103 17206 58.8 241 103 100 103 17206 88.8 166 18.9 14.1 153 14.1 153 14.1 153 14.1 153 14.1 153 14.1 14.1 10.2 11.4 10.2 11.4 10.2 11.4 10.8 27 2.	1976	5326	228	4.3	235	4.4	æ	0.7	3514	0.99	33	9.0	813	15.3	465	8.7
6077 416 6.8 362 6.0 59 1.0 3493 57.5 49 7586 611 8.1 600 7.9 100 1.3 3553 47.0 103 29247 1726 5.9 1665 5.7 270 0.9 17206 58.8 241 103 9337 874 874 774 8.2 136 1.6 3849 44.1 153 10045 988 9.3 842 8.4 207 2.1 4212 41.9 168 10045 1090 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 1049 2.2 20968 4.0.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 4.0.7 304 11972 1220 10.2 2350 18.7 30 30 30 <	1977	5486	238	5.4	275	5.0	4	8.0	3405	62.1	38	0.7	878	16.0	220	10.0
7586 611 8.1 600 7.9 100 1.3 3553 47.0 103 29247 1726 5.9 1665 5.7 270 0.9 17206 58.8 241 0.9 8731 730 8.4 714 8.2 136 1.6 3849 44.1 153 10045 988 9.9 741 8.4 207 2.1 4212 41.9 216 10045 988 9.9 10.0 273 2.6 4374 40.9 216 11065 1020 1141 10.2 307 2.7 4540 40.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 42.0 1124 11972 1250 10.2 2281 19.1 333 2.8 4809 40.7 304 12749 1421 11.2 2350 18.7 370 30 5062	1978	2209	416	8.9	362	6.0	8	1.0	3493	57.5	9	9.0	1038	17.1	999	10.9
29247 1726 5.9 1665 5.7 270 0.9 17206 58.8 241 8731 730 8.4 714 8.2 136 1.6 3949 44.1 153 9337 873 9.3 822 8.8 165 1.8 3983 42.8 188 10045 998 9.9 941 9.4 207 2.1 4212 41.9 216 10695 1020 10.2 1069 10.0 273 2.6 4374 40.9 262 11168 1142 10.2 10.2 2781 10.1 333 2.8 4804 40.7 304 49974 4832 8.7 4687 9.4 1089 2.2 20968 4.0 1124 11972 2350 18.7 370 3.0 5082 4.0 3.0 8.0 4.0 1.24 1.124 1.24 1.24 1.24 1.24 1.24	1979	7566	611	9.1	009	6.7	100	1.3	3553	47.0	103	4.	1663	22.0	937	12.4
8731 730 8.4 714 8.2 136 1.6 3849 44.1 153 9337 873 9.3 822 8.8 165 1.8 3993 42.8 188 10045 9.9 9.41 9.4 207 2.1 4212 41.9 216 10695 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 307 2.7 4540 40.7 304 48974 4687 9.4 1089 2.2 20968 42.0 1124 11972 1220 10.2 2281 19.1 370 3.0 5082 40.5 36 12740 1488 11.2 2359 18.5 30 5082 40.5 36 12816 11.4 237	1975-1979	29247	1726	5.9	1665	5.7	270	6.0	17206	58.8	241	0.8	5031	17.2	3108	10.6
9337 873 9.3 822 8.8 165 1.8 3993 42.8 188 10045 998 9.9 941 9.4 207 2.1 4212 41.9 216 10695 1090 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 1041 10.2 307 2.7 4540 40.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 42.0 1124 12542 1377 10.5 2250 18.7 370 3.0 5082 40.7 304 12719 1421 11.2 2350 18.5 381 3.0 5082 40.5 361 12719 1468 11.4 2373 18.5 406 3.2 5322 41.5 386 13141 1497 11.4 2398 18.2 441 3.4	1980	8731	730	8.4	714	8.2	136	9.1	3849	1.4	153	8.	2030	23.3	1120	12.8
10045 998 9,9 941 9,4 207 2.1 4212 41,9 216 10695 1000 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 10.2 1141 10.2 307 2.7 4540 40.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 4.0.7 304 11972 1220 10.2 2281 19.1 333 2.8 4809 40.2 304 12542 1317 10.5 2350 18.7 370 3.0 5082 40.5 361 12719 1421 11.2 2359 18.5 381 3.0 5082 40.5 365 12836 14.6 11.4 2373 18.5 406 3.2 5322 41.5 386 13141 1497 11.4 239 18.3 <t< td=""><td>1981</td><td>9337</td><td>873</td><td>9.3</td><td>822</td><td>8.8</td><td>165</td><td>1.8</td><td>3993</td><td>42.8</td><td>188</td><td>2.0</td><td>2096</td><td>22.4</td><td>1201</td><td>12.9</td></t<>	1981	9337	873	9.3	822	8.8	165	1.8	3993	42.8	188	2.0	2096	22.4	1201	12.9
10695 1090 10.2 1069 10.0 273 2.6 4374 40.9 262 11166 1142 10.2 1141 10.2 307 2.7 4540 40.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 42.0 1124 12542 1377 10.5 2350 18.7 370 3.0 5082 40.5 361 12749 1421 11.2 2359 18.5 381 3.0 5082 40.5 361 12749 1421 11.2 2359 18.5 381 3.0 5082 40.5 361 12836 1421 11.4 2373 18.5 381 3.0 5082 40.5 361 13141 1497 11.4 2398 18.2 441 3.4 5527 4.1 410 63210 6522 11.0 11.761 18.6 18.3	1982	10045	866	6.6	<u>4</u>	9.4	207	2.1	4212	6.14	216	2.2	2176	21.7	1294	12.9
11166 1142 10.2 1141 10.2 307 2.7 4540 40.7 304 49974 4832 9.7 4687 9.4 1089 2.2 20968 42.0 1124 11972 1220 10.2 2281' 19.1 333 2.8 4809 40.2 336 12542 1317 10.5 2350 18.7 370 3.0 5082 40.5 361 12719 1421 11.2 2359 18.5 406 3.2 5322 41.5 388 12836 1441 11.4 2373 18.5 406 3.2 5322 41.5 388 13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1831 3.4 5689 43.1 425 13150 1554 11.2 2283 17.3 463	1983	10695	1090	10.2	1069	10.0	273	5.6	4374	40.9	262	2.5	2231	20.9	1395	13.0
49974 4832 9.7 4687 9.4 1089 2.2 20968 42.0 1124 11972 1220 10.2 2281' 19.1 333 2.8 4809 40.2 336 12542 1317 10.5 2350 18.7 370 3.0 5082 40.5 361 12719 1421 11.2 2359 18.5 381 3.0 5192 40.8 365 12836 14.4 2373 18.5 406 3.2 5322 41.5 388 13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.7 2283 17.3 468 3.6 5689 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5689 43.1 425 12430 1473 11.8 2277 17.3 468 3.6	1984	11166	1142	10.2	1141	10.2	307	2.7	4540	40.7		2.7	2225	19.9	1506	13.5
11972 1220 10.2 2281' 19.1 333 2.8 4809 40.2 336 12542 1317 10.5 2350 18.7 370 3.0 5082 40.5 361 12719 1421 11.2 2359 18.5 381 3.0 5192 40.8 365 12836 1468 11.4 2373 18.5 406 3.2 5322 41.5 388 13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13150 1564 11.9 2277 17.3 468 3.6 5680 43.1 425 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12222 1407 11.5 1492 12.2 825	1980-1984	49974	4832	9.7	4687	9.4	1089	2.2	20968	45.0	1124	2.2	10758	21.5	6516	13.0
12542 1317 10.5 2350 18.7 370 3.0 5082 40.5 361 12719 1421 11.2 2359 18.5 381 3.0 5192 40.8 365 12836 1421 11.4 2373 18.5 406 3.2 5322 41.5 388 13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13150 1539 11.7 2283 17.3 468 3.6 5680 43.1 425 12430 1473 11.8 2277 17.3 468 3.6 5680 43.2 433 12430 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825	1985	11972	1220	10.2	2281	19.1	333	2.8	4809	40.2	336	2.8	2383	19.9	611	5.1
12719 1421 11.2 2359 18.5 381 3.0 5192 40.8 365 12836 1468 11.4 2373 18.5 406 3.2 5322 41.5 388 13141 1467 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13198 1559 11.7 2283 17.3 468 3.6 5680 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5680 43.2 453 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026	1986	12542	1317	10.5	2350	18.7	370	3.0	5082	40.5	361	2.9	2498	19.9	564	4.5
12836 1468 11.4 2373 18.5 406 3.2 5322 41.5 388 13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13198 1539 11.7 2283 17.3 468 3.6 5689 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5689 43.1 425 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026	1987	12719	1421	11.2	2359	18.5	381	3.0	5192	40.8	365	2.9	2450	19.3	552	4.3
13141 1497 11.4 2398 18.2 441 3.4 5527 42.1 410 63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13198 . 1539 11.7 2283 17.3 468 3.6 5689 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5689 43.1 425 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 4704	1988	12836	1468	11.4	2373	18.5	406	3.2	5322	41.5	388	3.0	2358	18.4	520	4.
63210 6923 11.0 11761 18.6 1931 3.1 25932 41.0 1859 13198 1539 11.7 2283 17.3 453 3.4 5689 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5680 43.2 433 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.5 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 470	1989	13141	1497	4.1	2398	18.2	4	3.4	5527	42.1	410	3.1	2360	18.0	208	3.9
13198 1539 11.7 2283 17.3 453 3.4 5689 43.1 425 13150 1564 11.9 2277 17.3 468 3.6 5680 43.2 433 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.5 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1985-1989	63210	6923	11.0	11761	18.6	1931	3.1	25932	41.0	1859	2.9	12049	19.1	2754	4.4
13150 1564 11.9 2277 17.3 468 3.6 5680 43.2 433 12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1990	13198	1539	11.7	2283	17.3	453	3.4	5689	43.1	425	3.2	2318	17.6	493	3.7
12430 1473 11.8 2251 18.1 474 3.8 5494 44.2 463 12185 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1991	13150	1564	11.9	7722	17.3	468	3.6	2680	43.2	433	3.3	2305	17.5	424	3.2
12185 1410 11.6 1517 12.4 806 6.6 5500 45.1 74 1222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 83 83186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1992	12430	1473	11.8	2251	18.1	474	3.8	5494	44.2	463	3.7	2261	18.2	5	0.1
12222 1407 11.5 1492 12.2 825 6.8 5557 45.5 83 63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1993	12185	1410	11.6	1517	12.4	908	9.9	2200	45.1	74	9.0	1917	15.7	961	7.9
63186 7393 11.7 9819 15.5 3026 4.8 27920 44.2 1478	1994	12222	1407	11.5	1492	12.2	825	6.8	5557	45.5	8	0.7	1950	16.0	806	7.4
2005216 20074 10.0 27034 13.6 6316 3.1 02027 44.8 4701	1990-1994	63186	7393	11.7	9819	15.5	3026	8.	27920	44.2	1478	2.3	10751	17.0	2801	4.4
10.14 0.14 12026 1.5 0150 0.51 15.612 2.01 #1002 010502	1975-1994	205616	20874	10.2	27931	13.6	6316	3.1	92027	4 .8	4701	2.3	38589	18.8	15179	7.4

Supply/P rocrmnt ☐ Scientist/ Prof ■ Intell/ Eng/ Maint ■ Tactical Ops Admin/ Exec ■ Health Care Other **†66**↓ 9/61 9/61

Figure 6. Distribution of ADAF Women Officers by Job Group, 1975-1994

	Total	Training	ng	Operations	SUC	Logistics	SS	Other	er
	z	z	%	z	%	Z	%	z	%
1975	30335	6818	22	17881	59	2122	7	3515	12
1976	36960	8516	23	21948	59	2514	7	3982	Τ.
1977	41521	8944	22	25423	61	2633	9	4521	~
1978	48295	9416	19	28728	59	3331	7	6820	14
1979	54822	10900	20	33841	62	3924	7	6157	Ξ
1975-1979	211933	44594	21	127822	09	14524	7	24994	12
1980	61039	11697	19	37895	62	4364	7	7083	_
1981	63672	10875	17	41414	65	4579	7	6803	_
1982	64924	10436	16	42761	99	4905	∞	6822	~
1983	65827	10036	15	43941	29	5250	∞	6601	_
1984	02699	10336	15	43861	65	5587	&	7186	_
1980-1984	322432	53380	17	209872	65	24685	∞	34496	_
1985	70546	11949	17	45171	64	5901	œ	7525	_
1986	74289	11710	16	48373	65	6062	∞	8143	_
1987	76003	11660	15	49601	65	4973	7	69/6	•
1988	75079	10534	4	49844	99	5001	7	9700	•
1989	75950	10931	4	49975	99	5201	7	9843	
1985-1989	371867	56784	15	242965	65	27139	7	44980	12
1990	73437	10158	4	51060	20	5246	7	6972	
1991	71326	10286	14	50929	71	5232	7	4879	
1992	67137	10876	16	44404	99	5224	∞	6632	9
1993	65934	12166	9	41014	62	5904	6	6849	9
1994	66168	13058		33800	51	6302	9	13007	•
1990-1994	344002	56545	16	221208	64	27909	∞	38340	
1001									

†66↓ Figure 7. Distribution of ADAF Women by Major Command Function, 1975-1994 ⊅86l 6/61 *LL*61 9/61

□Other

Trng

■ Ops

	Total	Pacific	ပ	Europe	1	United	States
	Z	z	%	z	%	z	%
1975	30335	1263	4.2	2243	7.4	26829	88.4
1976	36960	1397	3.8	3124	8.5	32439	87.8
1977	41521	1541	3.7	3483	8.4	36497	87.9
1978	48295	1934	4.0	3970	8.2	42391	87.8
1979	54822	2359	4.3	4919	9.0	47544	86.7
1975-1979	211933	8495	4.0	17738	8.4	185700	87.6
1980	61039	2678	4.4	5771	9.5	52591	86.2
1981	63672	2928	4.6	6525	10.2	54219	85.2
1982	64924	2969	4.6	6915	10.7	55040	84.8
1983	65827	2919	4.4	7094	10.8	55813	84.8
1984	66970	2850	4.3	7101	10.6	57018	85.1
1980-1984	322432	14345	4.4	33406	10.4	274681	85.2
1985	70546	3065	4.3	7660	10.9	59822	84.8
1986	74289	3323	4.5	8091	10.9	62875	84.6
1987	76003	3435	4.5	8579	11.3	63888	84.2
1988	75079	3449	4.6	8486	11.3	63143	84.1
1989	75950	3632	4.8	8371	11.0	63947	84.2
1985-1989	371867	16904	4.5	41187	11.1	313776	84.4
1990	73437	5072	6.9	9062	12.3	59303	80.8
1991	71326	4829	6.8	8000	11.2	58496	82.0
1992	67137	5006	7.5	7091	10.6	55040	82.0
1993	65934	5126	7.8	6019	9.1	54789	83.1
1994	66168	5180	7.8	4912	7.4	56076	84.7
1990-1994	344002	25212	7.3	35086	10.2	283704	82.5
4075 4004	700000		•	177107	0 0	1007700	

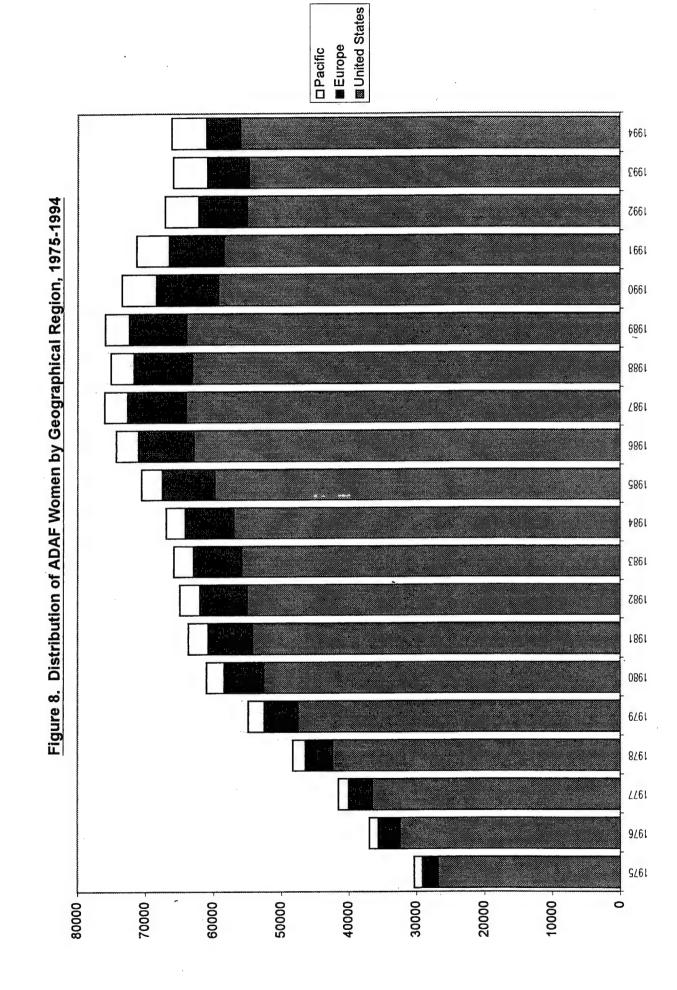


Table 9. Alten Note: V27 cod	Table 9. Alternative Methods for Counting Birth Events Note: V27 codes were not in use until 1980	r Counting Birth until 1980	Events	
			Presentation	V27 & Presentation
	Newborn	V27	of Fetus	of Fetus
Year	Records	Codes	Codes	Codes
1975	1011	0	1135	1135
1976	1720	0	1908	1908
1977	2053	0	2152	2152
1978	2349	0	2546	2546
1979	2781	0	3151	3151
1980	3423	3967	3796	4324
1981	4027	4689	4420	5093
1982	4555	5202	4750	5544
1983	4579	4945	4546	5292
1984	4624	4619	4397	2067
1985	4698'	4636	4502	5162
1986	4710	4565	4569	5189
1987	5031	4824	4963	5574
1988	4882	4678	4767	5441
1989	3522	4384	4676	5310
1990	4959	4272	4701	5379
1991	4569	3918	4571	2096
1992	4412	3648	4198	4767
1993	4354	0.230	4026	4549
1994	3683	2798	3532	4061
1975-1994	75942	64415	77306	86740

■V27 Code & PF Code ---- V27 Code – Newborn Records --PF Code ⊅66l 1993 - 2661 1661 0661 - 68<u>6</u>1 8861 - 7861 9861 1985 1984 1983 1982 1861 1980 6761 - 8761 *LL*61 9/61 9761 1000 4000 2000 0009 5000 3000 Number of Records

Figure 9. Alternative Methods for Counting Birth Events

Total Singleton Pregnancies Livebom Stillborm Livebom Stillborm 1133 13 13 111 98.2 11 78.6 1911 14 1883 98.5 11 78.6 2152 12 2121 98.1 12 100.0 2555 11 2121 98.1 12 100.0 2555 11 2121 98.1 12 100.0 2555 11 2121 98.1 12 100.0 2556 14 2523 98.7 9 81.8 4353 32 4231 97.2 30 93.8 5081 52 4231 97.2 30 93.8 5562 41 5457 98.1 32 90.0 5298 200 22487 98.0 178 89.0 5199 39 57.4 32 81.1 548.5 5487 449 97.	-											
Liveborn Stillborn Liveborn Stillborn N N % N % 1133 13 14 % N % 1133 13 14 % N % 1133 13 13 14 % N % 1911 14 1883 98.5 11 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.7 78.6 78.7 78.6 78.7 78.6 78.7 78.6 <td>ימו</td> <td>Singl</td> <td>eton Pregna</td> <td>ancies</td> <td></td> <td></td> <td>Twin Pregnancies</td> <td>nancies</td> <td></td> <td>Triplet Pregnancies</td> <td>egnancies</td> <td></td>	ימו	Singl	eton Pregna	ancies			Twin Pregnancies	nancies		Triplet Pregnancies	egnancies	
1133 13 13 14 % N % 1133 11 84 N % N % 1133 11 34 N % N % 1133 11 48 98 1 1846 11 846 2162 12 2121 98.5 11 78.6 100.0 2555 11 78.6 100.0 2523 98.7 9 81.8 100.0 2457 98.7 9 81.8 85.7 100.0 256.2 4 85.0 4 85.0 4 85.7 4 85.9 4 85.9 4 85.9 4 85.9 4 85.0 8 90.0 85.9 4 80.0 8 1 1 86.9 4 90.4 8 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0	Stillborn	Livet	orn	Stillbo	шí	Liveborn	mc	Stillborn	om	Live	Liveborn	
1133 113 98.2 11 84.6 1911 14 1883 98.5 11 78.6 2162 12 2121 98.5 11 78.6 2555 11 2523 98.7 9 81.8 3150 28 3102 98.5 24 85.7 10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 40 98.5 47 90.4 5295 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.4 5098 35 4969 97.5 33 94.3 5180 37 5079 98.1 36 90.0 5180 37 5079 98.1 36 90.1 5199 39 5079 98.1 36 95.1 5342 32 5485 97.9 39 95.1 5402	Z	z	%	z	%	z	%	Z	%	Z	%	
1911 14 1883 98.5 11 78.6 2162 12 2121 98.1 12 100.0 2555 11 2523 98.7 9 81.8 3150 28 3102 98.5 24 85.7 10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 40 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98.1 30 95.1 5199 39 5114 98.4 35 87.5 5457 41 5548 97.9 39 95.1 5472 32 5224 97.9 39 95.1 <	13		98.2	11	84.6	20	1.8	2	15.4	0	0.0	
2162 12 2121 98.1 12 100.0 2555 11 2523 98.7 9 81.8 3150 28 3102 98.5 24 85.7 10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 504 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.7 5457 41 5348 98.0 163 87.5 5465 97.9 39 95.1 5472 41 5348 98.0 163 87.5 5472 32 5222 97.8 28 87.5 5402 24 52 4697 97.9 19 86.4 4798 <td< td=""><td>14</td><td></td><td>98.5</td><td>7</td><td>78.6</td><td>22</td><td>1.3</td><td>က</td><td>21.4</td><td>က</td><td>0.2</td><td></td></td<>	14		98.5	7	78.6	22	1.3	က	21.4	က	0.2	
2555 11 2523 98.7 9 81.8 3150 28 3102 98.5 24 85.7 10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 5004 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5298 35 4969 97.5 33 94.3 5298 30 24874 98.0 178 89.0 5180 35 4969 97.5 33 94.3 5589 200 24874 98.0 178 89.0 5199 39 5014 98.4 35 89.7 5199 39 5114 98.4 35 89.7 5457 41 5248 98.0 163.8 87.5 5402 24 16 88.9 16 86.4	12		98.1	12	100.0	38	. 8	0	0.0	က	0.1	
3150 28 3102 98.5 24 85.7 10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 40 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5098 35 4969 97.5 33 94.3 5098 35 4969 97.5 33 94.3 5589 200 24874 98.0 178 89.0 5180 37 5079 98.1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5079 98.1 30 81.1 5457 41 5348 98.0 163 87.5 5445 41 5348 98.0 163 87.5 5457 41 5348 98.0 163 87.5 5402 22 97.8 28 87.5 5402	11		98.7	6	81.8	32	1 .3	7	18.2	0	0.0	
10911 78 10742 98.5 67 85.9 4353 32 4231 97.2 30 93.8 5081 52 5004 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98.1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 163 87.5 5402 22 97.8 28 87.5 5402 24 5310 98.3 27 93.1 4798 22 4697 98.9 16 88.9 455	28		98.5	24	85.7	48	1.5	4	14.3	0	0.0	
4353 32 4231 97.2 30 93.8 5081 52 41 5457 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5199 39 5114 98.1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5079 98.1 30 81.1 5457 41 5348 98.0 39 95.1 5457 41 5348 98.0 163 87.5 5402 22 5222 97.8 28 87.5 5402 24 5310 98.3 27 93.1 4798 22 4697 98.9 16 88.9 4557 18 4557 98.3 26 92.9 </td <td></td> <td>742</td> <td>98.5</td> <td>29</td> <td>85.9</td> <td>163</td> <td>1.5</td> <td>=</td> <td>14.1</td> <td>9</td> <td>0.1</td> <td></td>		742	98.5	29	85.9	163	1.5	=	14.1	9	0.1	
5081 52 5004 98.5 47 90.4 5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 84 25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5189 39 5114 98.4 35 89.7 5601 37 5079 98:1 30 81.1 5601 37 5485 97.9 31 83.8 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 89 26779 98.3 24 100.0 5402 24 5310 98.3 27 93.1 4798 22 4697 98.3 26 92.9 <			97.2	30	93.8	122	2.8	7	6.3	0	0.0	
5562 41 5457 98.1 32 78.0 5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.0 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 5402 24 5310 98.3 24 100.0 5402 24 5310 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.3 26 92.9 4666 28 3996 98.3 26 92.9		5004	98.5	47	90.4	11	1.5	'n	9.6	0	0.0	
5295 40 5213 98.5 36 90.0 5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 5402 24 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 16 88.9 4066 28 3996 98.3 26 92.9 2035 49.3 22 4697 98.9 16 82.9 2036 28 3996 98.3 2		5457	98.1	32	78.0	105	1.9	თ	22.0	0	0.0	
5098 35 4969 97.5 33 94.3 25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 561 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 5402 24 5522 97.8 28 87.6 5402 24 5310 98.3 24 100.0 5412 29 5026 98.3 27 93.1 4798 22 4697 97.9 16 88.9 4066 28 3996 98.3 26 92.9 2035 131 225.2 98.3 26 92.9			98.5	36	0.06	82	1.5	4	10.0	0	0.0	
25389 200 24874 98.0 178 89.0 5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 526779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		4969	97.5	33	94.3	126	2.5	7	2.7	က	0.1	
5180 37 5079 98:1 30 81.1 5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		24874	98.0	178	89.0	512	2.0	22	11.0	က	0.0	
5199 39 5114 98.4 35 89.7 5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		5079	98:1	30	81.1	101	1.9	7	18.9	0	0.0	
5601 37 5485 97.9 31 83.8 5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		5114	98.4	35	89.7	82	1.6	4	10.3	ო	0.1	
5457 41 5348 98.0 39 95.1 5342 32 5222 97.8 28 87.5 26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		5485	97.9	31	83.8	110	2.0	9	16.2	9	0.1	
5342 32 5222 97.8 28 87.5 26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		5348	98.0	39	95.1	106	1.9	7	4.9	က	0.1	
26779 186 26248 98.0 163 87.6 5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		5222	8.76	78	87.5	114	2.1	4	12.5	ဖ	0.1	
5402 24 5310 98.3 24 100.0 5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9		26248	98.0	163	97.6	513	1.9	23	12.4	18	0.1	
5112 29 5026 98.3 27 93.1 4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9 22035 421 23536 98.3 412 92.9	24	5310	98.3	24	100.0	92	1.7	0	0.0	0	0.0	
4798 22 4697 97.9 19 86.4 4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9	29	5026	98.3	27	93.1	86	1.7	7	6.9	0	0.0	
4557 18 4507 98.9 16 88.9 4066 28 3996 98.3 26 92.9 22035 424 23536 08.3 442 02.6	22	4697	97.9	19	86.4	92	2.0	က	13.6	9	0.1	
4066 28 3996 98.3 26 92.9 23035 121 23536 08.3 112 02.6	18	4507	98.9	16	88.9	20	1.1	7	11.1	0	0.0	
22025 121 22526 08 2 112 02 6	28	3996	98.3	5 8	92.9	20	1.7	7	7.1	0	0.0	
Z3333 17 Z3330 30.3	121	23536	98.3	112	97.6	393	1.6	6	7.4	9	0.0	
1975-1994 87014 585 85400 98.1 520 88.9 1581		85400	98.1	520	88.9	1581	1.8	65	11.1	33	0.0	

			Ž	Mother Age				
ı	Total	17-19	20-24	25-29	30-34	35-39	40-44	45+
1975	1124	138	772	195	14	5	0	0
1976	1897	194	1253	389	48	13	0	0
1977	2141	166	1400	205	64	∞	-	0
1978	2539	224	1540	674	92	ထ	-	0
1979	3127	258	1842	877	134	15	-	0
1975-1979	10828	980	6807	2637	352	49	ო	0
1980	4293	326	2565	1197	176	24	Ŋ	0
1981	5043	410	2806	1503	301	22	0	-
1982	5511	331	3121	1647	369	42	-	0
1983	5255	202	2929	1606	468	45	2	0
1984	5034	174	2575	1703	517	9	4	_
1980-1984	25136	1443	13996	7656	1831	193	15	7
1985	5130	154	2479	1792	603	86	4	0
1986	5157	172	2307	1923	644	106	4	-
1987	5543	198	2484	2002	715	130	10	~
1988	5403	198	2391	1898	744	161	1	0
1989	5282	203	2353	1773	756	183	14	0
1985-1989	26515	925	12014	9391	3462	678	43	7
1990	5356	188	2292	1852	805	207	#	_
1991	5070	141	2120	1752	827	212	17	_
1992	4747	143	1930	1571	833	254	16	0
1993	4532	213	1920	1449	704	233	7	8
1994	4031	172	1697	1242	099	233	27	0
1990-1994	23736	857	9959	7866	3829	1139	82	4
1001		1			, ,	0	•	•

Note: The unit	The unit of analysis in this table is the number of mothers, not the number of stillbirths	n this table i						
			M	Mother Age				
	Total	17-19	20-24	25-29	30-34	35-39	40-44	45+
1975	13	4	7	2	0	0	0	0
1976	13	0	10	8	0	-	0	0
1977	12	-	7	က	0	_	0	0
1978	9	0	©	7	0	0	0	0
1979	27	-	16	9	0	0	0	0
1975-1979	75	G	48	19	0	2	0	0
1980	32	က	16	12	-	0	0	0
1981	20	7	25	16	2	0	0	0
1982	38	ဗ	24	9	~	0	0	0
1983	39	7	77	=	က	, N	0	0
1984	35	ო	14	14	4	0	0	0
1980-1984	194	18	100	63	11	7	0	0
1985	34	**	4	13	2	-	0	0
1986	38	7	17	9	∞	-	0	0
1987	35	0	12	17	2	-	0	0
1988	41	ო	24	12	S	0	0	0
1989	31	2	14	∞	4	က	0	0
1985-1989	179	∞	78	09	27	9	0	0
1990	24	2	2	10	3	2	0	0
1991	29	ന	∞	∞	80	0	2	0
1992	21	-	ω	ဖ	9	0	0	0
1993	17	0	თ	2		-	-	0
1994	27	7	10	တ	ဖ	0	0	0
1990-1994	118	80	40	38	56	က	ო	0
1975-1994	999	40	266	180	64	13	3	0

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	Total	al	Age at Parturi	Age at Parturition N = 86740
	Liveborn	Stillborn	Mean	Median
1975	1133	13	22.3	22
1976	1911	4	22.7	22
1977	2162	12	23.1	22
1978	2555	7	23.2	23
1979	3150	28	23.4	23
1975-1979	10911	78	22.9	22.4
1980	4353	32	23.4	23
1981	5081	52	23.7	23
1982	5562	14	23.9	23
1983	5295	40	24.3	24
1984	5098	35	24.7	24
1980-1984	25389	200	24.0	23.4
1985	5180	37	25.0	24
1986	5199	39	25.2	25
1987	5601	37	25.2	25
1988	5457	4	25.3	25
1989	5342	32	25.4	25
1985-1989	26779	186	25.3	24.8
1990	5402	24	25.6	25
1991	5112	29	25.9	25
1992	4798	22	26.1	25
1993	4557	18	25.7	25
1994	4066	28	25.9	25
1990-1994	23935	121	25.8	25.0
1075_1004	87014	585	24.8	24.0

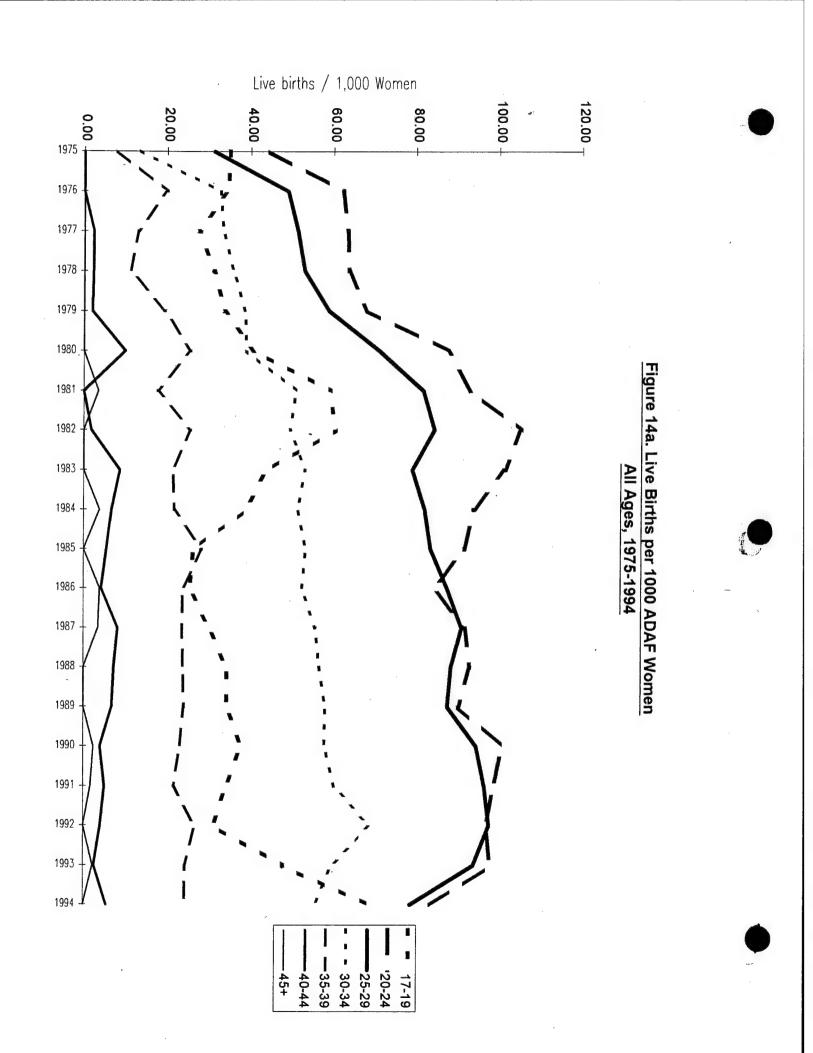
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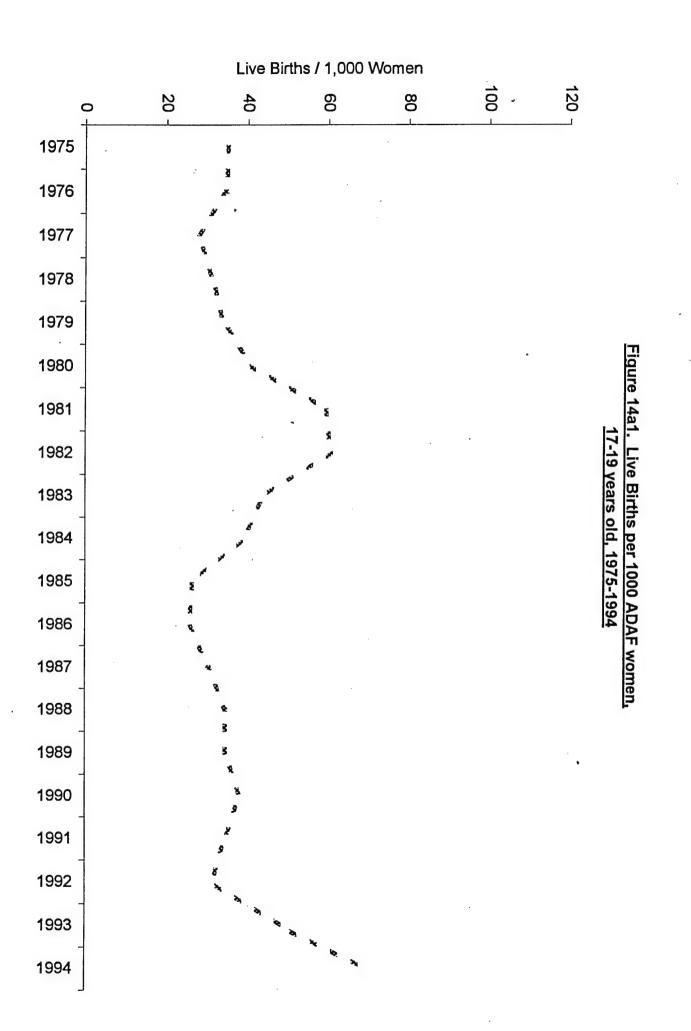
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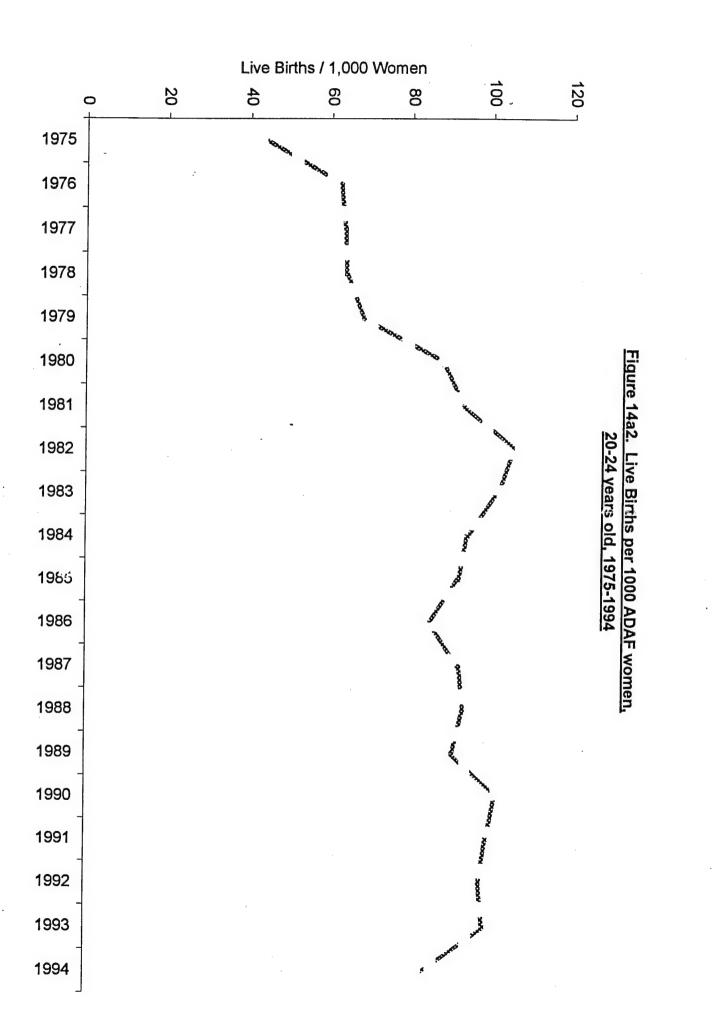
	Total	F	<u>-</u>	FMP 2	, 2	FMP 3	ဗ	FMP other FN	FMP 4+ and other FMP codes	M	Missing
	Z	z	%	z	%	z	%	z	%	z	%
1975	1011	868	85.9	102	10.1	15	1.5	4	0.4	22	2.2
1976	1720	1434	83.4	210	12.2	4	2.3	4	0.2	32	6.1
1977	2053	1580	77.0	327	15.9	62	3.0	15	0.7	69	3.4
1978	2349	1730	73.6	424	18.1	81	3.4	22	6.0	92	3.9
1979	2781	1967	7.07	548	19.7	117	4.2	24	6.0	125	4.5
1975-1979	9914	7579	76.4	1611	16.2	315	3.2	69	0.7	340	3.4
1980	3423	2443	71.4	761	22.2	176	5.1	42	1.2	-	0.0
1981	4027	2782	69.1	066	24.6	203	5.0	20	1.2	7	0.0
1982	4555	3144	0.69	1107	24.3	248	5.4	52	1.1	4	0.1
1983	4579	3044	66.5	1217	26.6	250	5.5	99	4.1	7	0.0
1984	4624	3044	82.8	1236	26.7	277	0.9	64	4.1	က	0.1
1980-1984	21208	14457	68.2		25.0	1154	5.4	274	1.3	12	0.1
1985	4698	3022	64.3		27.3	281	0.9	86	8.1	52	0.5
1986	4710	2967	63.0		27.2	281	0.9	86	2.1	82	1.7
1987	5031	3188	63.4		27.2	322	6.4	88	8.1	63	1.3
1988	4882	3043	62.3		26.4	343	7.0	106	2.2	102	2.1
1989	3522	2116	60.1		26.5	272	7.7	193	5.5	7	0.2
1985-1989	22843	14336	62.8	6157	27.0	1499	9.9	572	2.5	279	1.2
1990	4959	2895	58.4	1365	27.5	346	7.0	353	7.1	0	0.0
1991	4569	2624	57.4	1277	27.9	333	7.3	335	7.3	0	0.0
1992	4412	2454	55.6	1354	30.7	338	7.7	265	6.0	-	0.0
1993	4354	2573	59.1	1253	28.8	316	7.3	211	8.4	-	0.0
1994	3683	2099	57.0	1102	29.9	289	7.8	193	5.2	0	0.0
1990-1994	21977	12645	57.5	6351	28.9	1622	7.4	1357	6.2	7	0.0

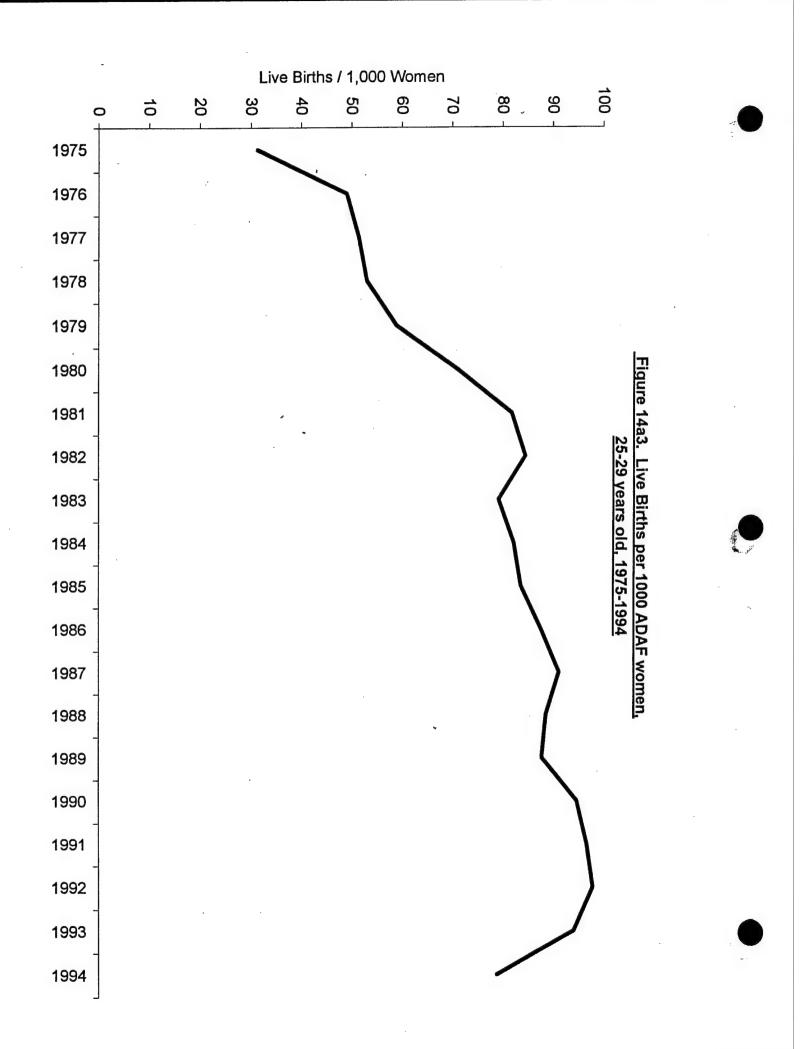
					Age-	Age-Specific Births / 1,000	Births	/ 1,000		
	Total	General	Total Fertility							
	Live Births/1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44	45+
	17-45+	Rate	17-44	years	years	years	years	years years	years	years
1975	37.3	37.8	589.7	35.0	44.5	31.3	13.4	7.8	0.0	0.0
1976	51.7	52.3	922.9	34.6	62.3	49.0	32.7	19.9	0.0	0.0
1977	52.1	52.4	901.3	27.7	63.4	51.4	33.5	13.0	2.3	0.0
1978	52.9	53.2	924.3	31.3	63.8	53.1	35.9	11.1	2.2	0.0
1979	57.5	57.7	1039.7	33.9	68.2	59.0	38.8	19.6	2.0	0.0
1975-1979	51.5	51.9	6.906	32.3	61.5	51.2	33.6	14.4	1.3	0.0
1980	71.3	71.6	1291.9	41.0	87.7	71.2	39.1	25.8	10.0	0.0
1981	79.8	80.1	1398.9	59.3	93.4	81.9	51.1	17.8	0.0	3.6
1982	85.7	86.0	1519.0	9.09	105.4	84.6	49.7	25.8	1.9	0.0
1983	80.4	80.7	1455.4	44.2	101.6	79.3	53.4	21.5	8.8	0.0
1984	76.1	76.4	1399.8	39.0	94.1	82.3	51.5	21.9	6.8	3.8
1980-1984	78.7	79.1	1419.7	49.1	96.5	80.1	50.0	22.4	5.5	1.5
1985	73.4	73.7	1396.2	26.5	91.9	83.7	53.6	28.6	5.5	0.0
1986	70.0	70.2	1343.5	25.7	84.5	87.7	52.6	24.1	4.3	3.9
1987	73.7	74.0	1448.8	30.5	92.1	91.3	56.0	23.8	8.3	3.6
1988	72.7	73.0	1455.0	34.6	93.3	88.7	56.8	24.0	7.3	0.0
1989	70.3	7.07	1443.9	34.5	90.6	87.9	58.4	24.3	6.9	0.0
1985-1989	72.0	72.3	1417.2	30.2	90.4	87.9	55.6	24.6	6.7	1.3
1990	73.6	74.0	1522.7	38.2	101.2	94.9	58.1	23.3	4.1	2.4
1991	7.17	72.2	1521.3	34.5	99.1	96.9	9.09	21.8	5.1	<u>6</u>
1992	71.5	72.2	1573.4	31.3	97.3	98.0	69.3	27.1	4.2	0.0
1993	69.1	70.0	1544.1	48.2	98.4	94.3	60.1	24.6	5.6	2.3
1994	61.4	62.5	1453.1	69.1	84.0	79.0	56.0	24.5	5.6	0.0
1990-1994	9.69	70.3	1517.4	41.8	96.1	92.9	8.09	24.3	4.3	1:1
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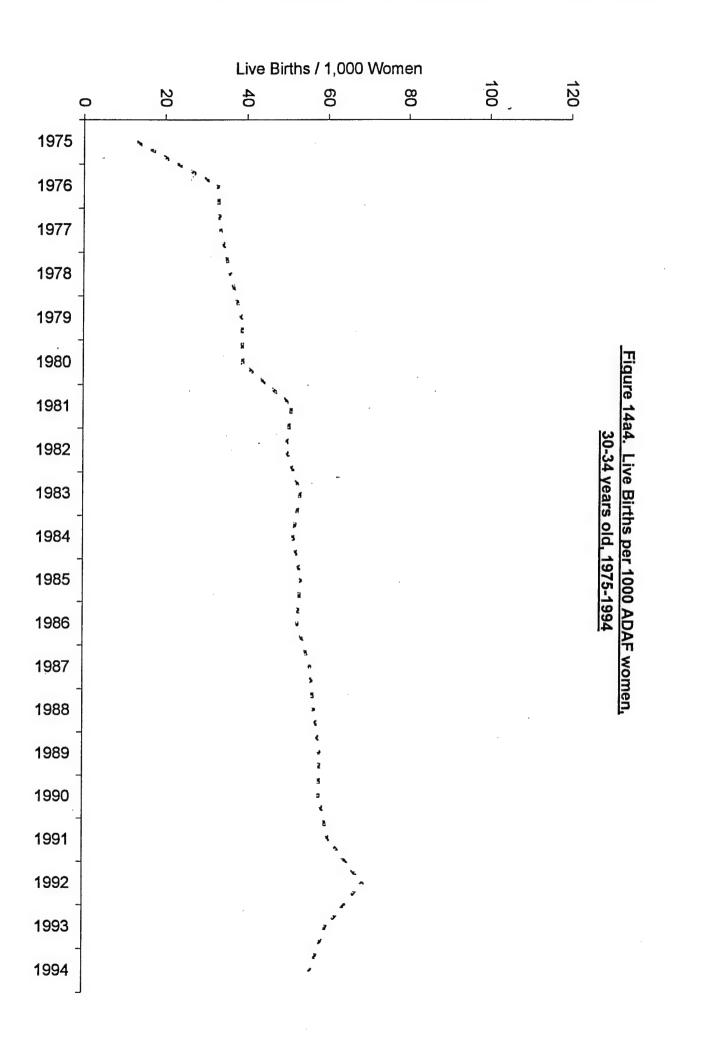
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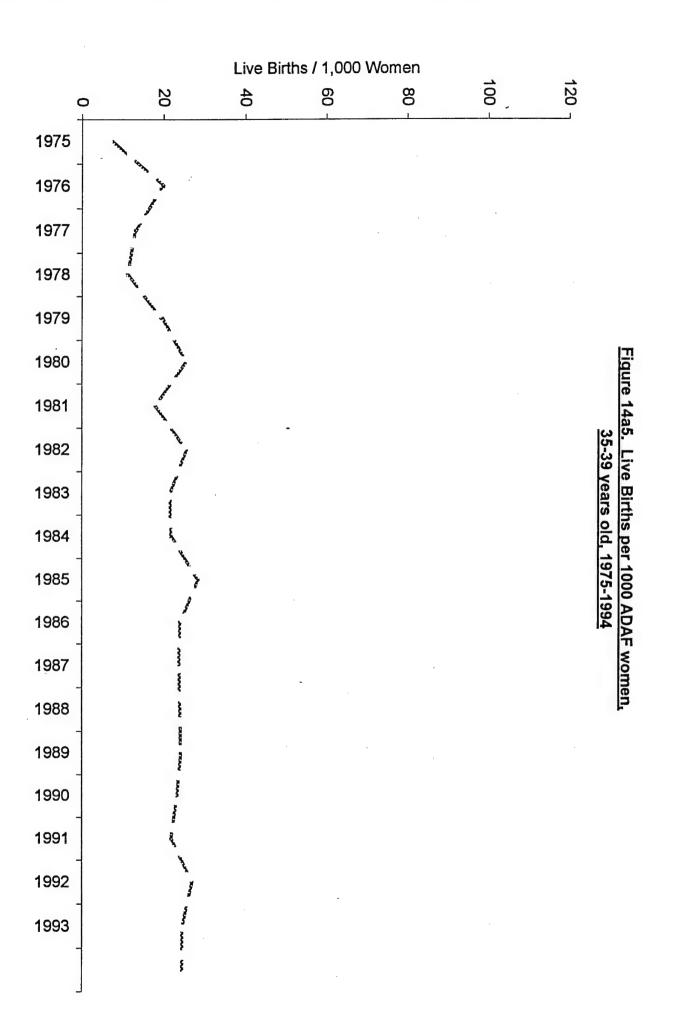


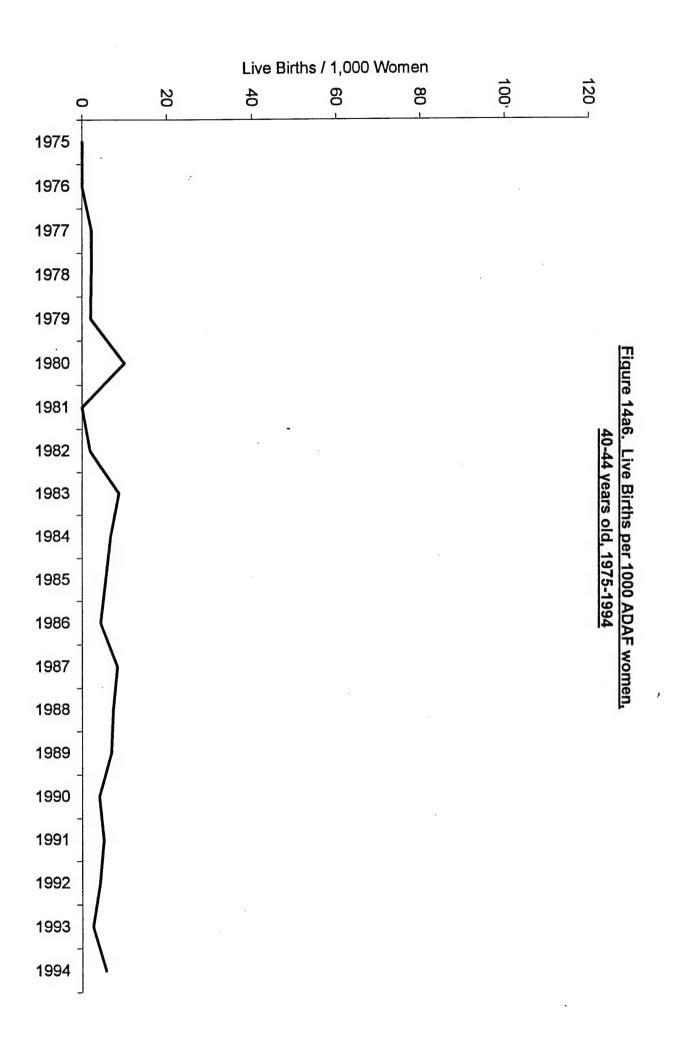


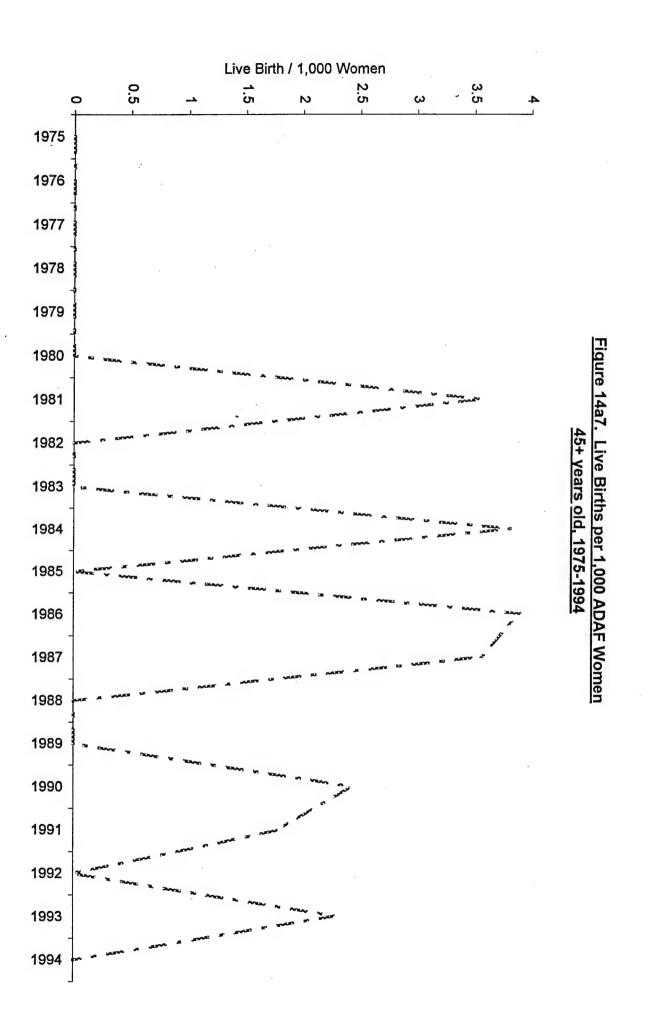












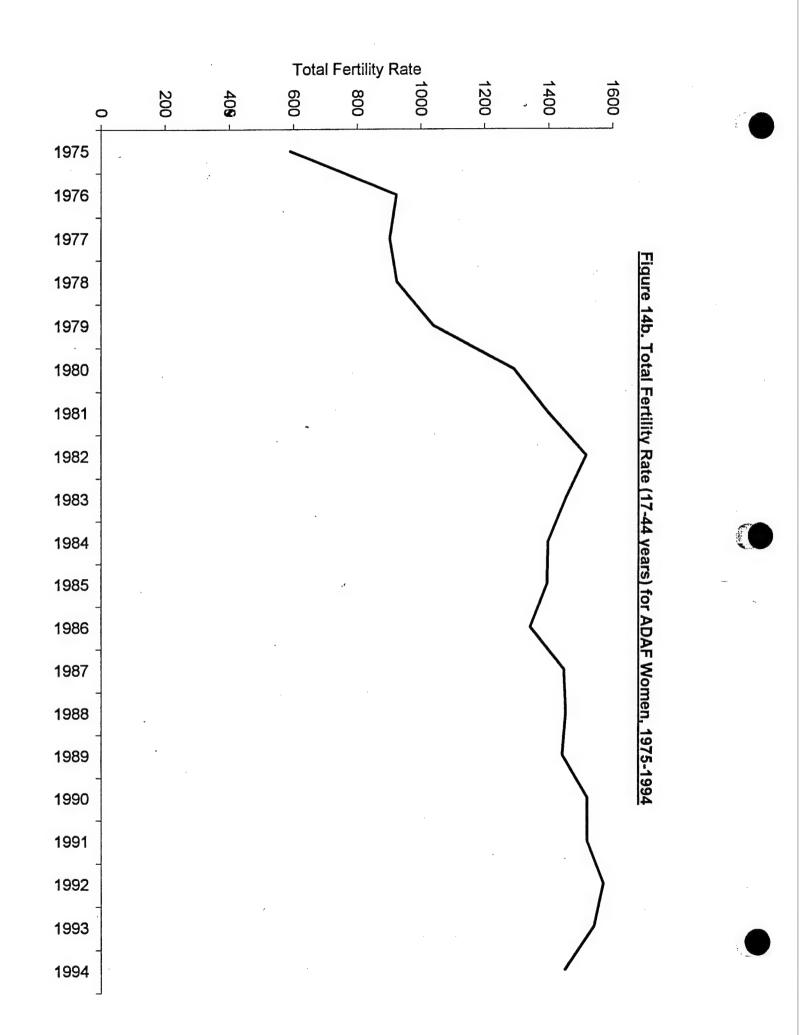


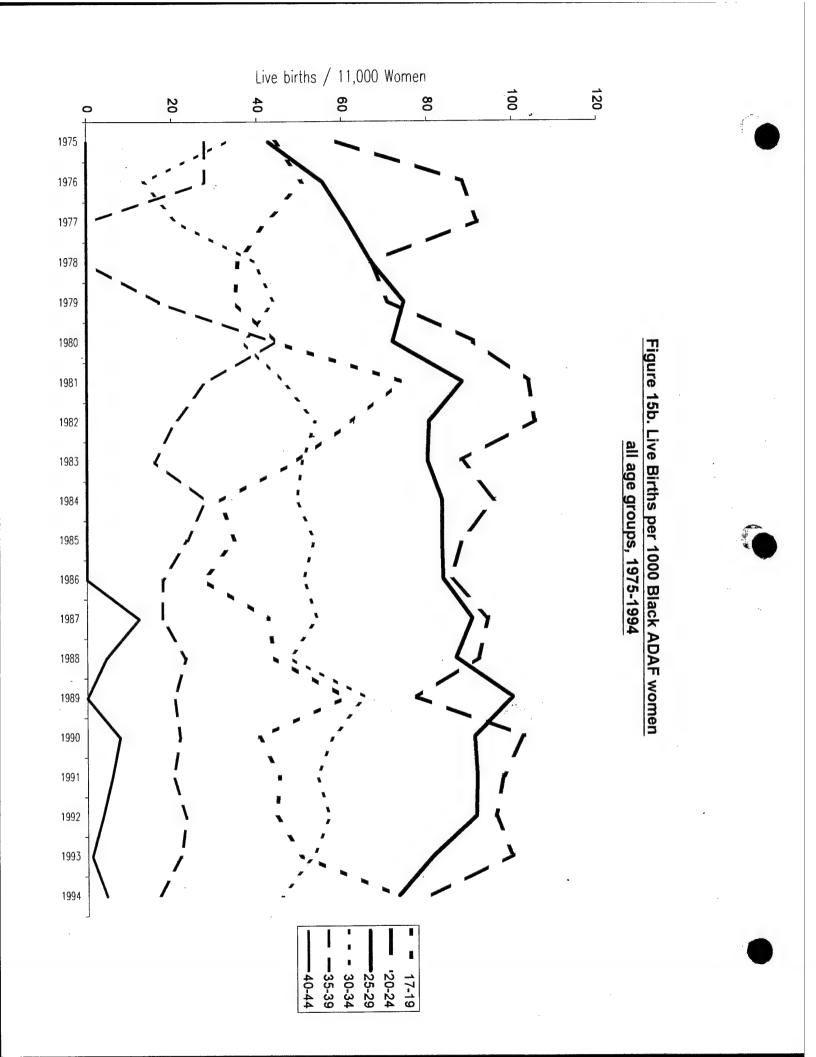
Table 15. Tot	Table 15. Total Live Births per 1,000,		General Fertility Rate, Total Fertility Rate, and Age-Specific Births per 1,000 Active Duty Air Force	Fertility Rate	and Age-Sp	secific Birth	s per 1,000	Active Duty	Air Force	
(ADAP) Worn Total Fertility Age-Specific	(ADAF) women by kace, 1975-199 Total Fertility Rate calculated as the Age-Specific Births per 1,000 calcula	s-1994 s the sum of tl alculated as th	(ADAF) women by Kace, 1975-1994 Total Fertility Rate calculated as the sum of the age-specific live births per 1,000 multiplied by the age group interval Age-Specific Births per 1,000 calculated as the number of live births in an age group per 1,000 ADAF women in that age group.	births per 1, rths in an ag	000 multipli e group per	ed by the aq 1,000 ADA	ge group in F women ir	erval that age g	roup.	
					Age-Speci	Age-Specific Live Births / 1,000	ns / 1,000			T
	Total Live	General	Total Fertility							
	Births / 1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44	
	17-45+	Rate	17-44	years	years	years	years	years	years	
1975	37.3	37.8	589.7	35.0	44.5	31.3	13.4	7.8	0.0	
White	34.5	35.0	545.2	33.8	41.4	28.7	11.8	6.7	0.0	
Black	52.3	52.6	943.7	44.4	58.9	42.8	32.6	27.8	0.0	
Other	31.1	31.6	483.8	11.5	36.5	53.3	0.0	0.0	0.0	
1976	51.7	52.3	922.9	34.6	62.3	49.0	32.7	19.9	0.0	
White	47.9	48.6	893.1	32.8	57.0	47.8	34.0	20.1	0.0	
Black	73.0	73.4	1078.2	50.9	88.2	55.6	13.5	27.8	0.0	
Other	46.6	47.2	962.6	35.0	26.7	38.0	6.9/	0.0	0.0	
1977	52.1	52.4	901.3	27.7	63.4	51.4	33.5	13.0	2.3	
White	48.4	48.8	875.3	26.2	58.5	49.6	34.0	14.8	2.5	
Black	74.2	74.5	,1001,9	42.4	91.9	61.6	21.5	0.0	0.0	
Other	39.6	39.8	803.2	21.7	47.5	33.5	66.7	0.0	0.0	
1978	52.9	53.2	924.3	31.3	63.8	53.1	35.9	11.1	2.2	
White	52.2	52.5	922.2	31.3	64.2	50.3	35.8	12.9	2.4	
Black	61.0	61.2	973.0	35.6	6.99	67.0	39.3	0.0	0.0	
Other	27.9	28.0	483.8	10.6	33.6	32.9	23.8	0.0	0.0	
1979	57.5	57.7	1039.7	33.9	68.2	59.0	38.8	19.6	2.0	
White	56.8	57.1	1013.4	34.5	69.1	55.6	36.7	18.4	2.3	
Black	61.0	65.6	1138.0	34.9	71.0	74.7	44.1	16.9	0.0	
Other	31.5	31.7	889.1	13.3	29.4	38.5	64.8	37.0	0.0	
1975-1979	51.5	51.9	906.9	32.3	61.5	51.2	33.6	14.4	1.3	
White	49.3	49.7	878.5	31.6	59.4	48.5	32.8	14.6	1.4	
Black	65.4	65.6	1060.6	40.0	75.3	64.3	35.1	13.4	0.0	
Other	34.4	34.6	748.3	17.9	39.1	36.9	51.0	11.9	0.0	

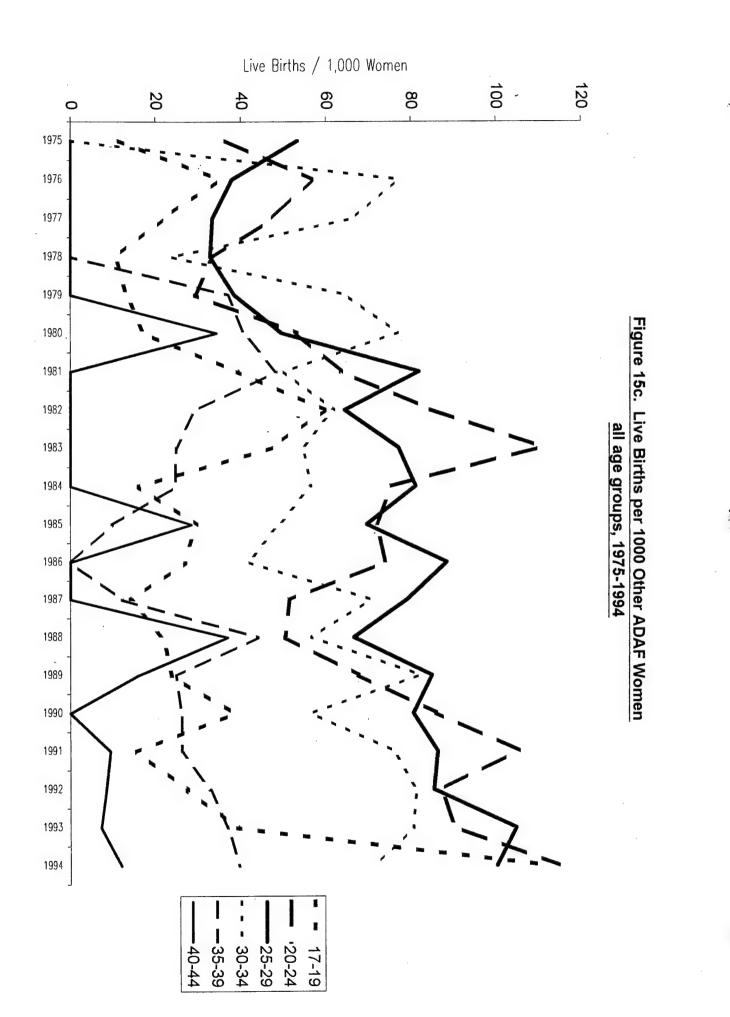
					Age-Speci	Age-Specific Live Births / 1,000	hs / 1,000		
	Total Live	General	Total Fertility	17-10	20-24	25.29	30-34	35-39	40-44
	17-45+	Rate	17-44	years	years	years	years	years	years
1980	71.3	71.6	1291.9	41.0	87.7	71.2	39.1	25.8	10.0
White	71.6	71.9	1273.8	41.2	88.4	71.8	38.1	22.8	9.0
Black	74.0	74.1	1352.0	44.4	90.9	72.0	36.9	44.0	0.0
Other	48.7	49.0	1327.6	17.3	53.2	49.7	76.9	40.8	34.5
1981	79.8	80.1	1398.9	59.3	93.4	81.9	51.1	17.8	0.0
White	78.5	78.9	1368.9	57.3	92.3	80.1	52.5	14.5	0.0
Black	88.4	88.4	1554.8	74.0	103.9	88.3	46.3	28.0	0.0
Other	63.5	63.9	1340.1	39.3	63.7	82.1	50.3	48.4	0.0
1982	85.7	86.0	1519.0	9.09	105.4	84.6	49.7	25.8	1.9
White	86.4	86.8	1527.2	60.3	106.2	86.5	48.1	26.3	2.1
Black	84.9	85.1	1490.1	62.4	105.5	80.6	53.8	20.7	0.0
Other	70.8	71.2	,1382.3	29.7	84.8	64.5	61.9	29.4	0.0
1983	80.4	80.7	1455.4	44.2	101.6	79.3	53.4	21.5	8.8
White	81.7	82.0	1479.8	42.9	104.4	79.1	54.1	22.4	10.2
Black	75.1	75.2	1323.8	49.4	88.2	80.2	50.8	16.0	0.0
Other	82.6	83.1	1481.0	47.3	110.9	77.3	54.7	25.0	0.0
1984	76.1	76.4	1399.8	39.0	94.1	82.3	51.5	21.9	6.8
White	76.2	76.6	1409.1	42.0	94.4	81.9	52.0	20.5	7.9
Black	77.2	77.3	1378.6	31.2	96.0	83.7	49.4	27.9	0.0
Other	66.0	66.5	1240.6	16.2	75.7	81.3	26.7	24.7	0.0
1980-1984	78.7	79.1	1419.7	49.1	96.5	80.1	50.0	22.4	5.5
White	60.2	79.3	1235.8	29.7	72.1	8.69	49.1	9.8	28.6
Black	79.9	80.0	1418.1	53.1	6.96	81.1	48.8	24.9	0.0

					Age-Speci	Age-Specific Live Births / 1,000	hs / 1,000		
	Total Live	General	Total Fertility						
	Births / 1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44
	17-45+	Rate	17-44	years	years	years	years	years	years
1985	73.4	73.7	1396.2	26.5	91.9	83.7	53.6	28.6	5.5
White	74.2	74.5	1409.4	24.2	93.8	84.4	53.8	30.5	4.9
Black	72.8	72.9	1349.9	34.8	88.4	83.6	53.5	23.6	0.0
Other	60.2	60.7	1235.8	29.7	72.1	8.69	49.1	8.0	28.6
1986	70.0	70.2	1343.5	25.7	84.5	87.7	52.6	24.1	4.3
White	70.5	70.8	1370.9	25.2	84.7	88.8	53.6	26.8	5.2
Black	69.1	69.2	1273.5	27.4	85.7	83.8	51.0	17.8	0.0
Other	63.5	64.0	1104.7	26.9	74.3	88.7	41.8	0.0	0.0
1987	73.7	74.0	1448.8	30.5	92.1	91.3	56.0	23.8	8.3
White	74.1	74.4	1463.3	28.4	93.7	91.9	55.9	26.1	8.0
Black	75.2	75.2	1473.9	42.5	94.5	2.06	54.2	17.7	12.3
Other	55.0	55.5	1111.4	14.2	51.7	79.4	9.07	12.1	0.0
1988	72.7	73.0	1455.0	34.6	93.3	88.7	56.8	24.0	7.3
White	74.1	74.4	1478.9	33.0	96.1	90.3	29.7	23.2	9.9
Black	71.1	71.3	1404.4	44.1	92.2	86.8	47.7	23.2	4.5
Other	52.6	53.1	1342.6	21.9	9.05	8.99	56.8	44.1	37.0
1989	70.3	7.07	1443.9	34.5	90.6	87.9	58.4	24.3	6.9
White	70.1	70.6	1440.3	29.6	96.3	85.0	55.5	25.5	8.0
Black	71.7	71.8	1499.7	60.5	77.6	100.2	65.3	20.4	0.0
Other	66.5	67.1	1454.1	23.9	67.7	85.3	82.4	24.9	16.1
1985-1989	72.0	72.3	1417.2	30.2	90.4	87.9	55.6	24.6	6.7
White	72.6	72.9	1431.8	28.1	92.8	88.1	55.8	26.0	6.9
Black	72.0	72.1	1392.2	40.8	87.4	88.6	54.0	20.5	3.3

					Age-Speci	Age-Specific Live Births / 1,000	ths / 1,000		
	Total Live Births / 1 000	General	Total Fertility	17-19	20-24	25.20	30.34	35,30	40.44
	17-45+	Rate	17-44	years	years	years	years	years	years
1990	73.6	74.0	1522.7	38.2	101.2	94.9	58.1	23.3	4.1
White	74.1	74.6	1533.1	37.7	101.7	96.9	58.3	23.7	3.4
Black	72.6	72.7	1527.6	40.4	102.7	91.2	57.8	21.8	7.7
Other	68.1	68.7	1365.7	38.5	86.2	80.9	56.8	26.2	0.0
1991	71.7	72.2	1521.3	34.5	99.1	96.9	9.09	21.8	5.1
White	72.2	72.8	1533.2	33.2	98.6	99.2	62.0	22.2	8.4
Black	68.4	68.6	1485.0	45.2	98.0	91.8	54.0	20.2	5.8
Other	76.9	77.6	1567.5	15.7	105.6	9.98	76.2	26.2	9.4
1992	71.5	72.2	1573.4	31.3	97.3	98.0	69.3	27.1	4.2
White	72.7	73.6	1604.4	28.7	98.1	100.6	72.7	28.1	4.2
Black	66.5	6.99	1490.5	44.4	96.2	91.5	57.0	23.1	3.6
Other	71.9	72.5	,1563.6	27.5	87.3	85.7	81.7	33.0	8.5
1993	69.1	72.2	1544.1	48.2	98.4	94.3	60.1	24.6	2.6
White	70.3	71.3	1569.7	48.2	98.4	97.6	61.3	24.9	2.9
Black	62.8	63.3	1440.7	50.5	100.1	81.5	53.3	22.0	1.0
Other	79.0	80.0	1723.8	39.3	2.06	105.1	80.9	37.2	7.2
1994	61.4	70.0	1453.1	69.1	84.0	79.0	56.0	24.5	5.6
White	61.7	62.9	1455.1	64.9	82.4	79.0	58.6	26.3	5.7
Black	54.0	54.6	1323.9	72.6	81.0	73.3	45.6	16.8	4.5
Other	89.5	90.7	2032.7	111.9	115.0	100.7	71.8	39.9	12.0
1990-1994	69.6	62.5	1517.4	41.8	96.1	92.9	8.09	24.3	4.3
White	70.3	71.2	1533.3	40.1	96.0	94.9	62.5	25.0	4.2
Black	65.1	65.5	1452.0	49.1	96.0	86.5	53.6	20.8	4.1
Othor									

Table 15. (cont'd.) T by Race, 1975-1994	Table 15. (cont'd.) Total Live Birth by Race, 1975-1994	Births per 1,0	ıs per 1,000, Total Fertility Rate and Age-Specific Births per 1,000 ADAF Women	Rate and Ag	e-Specific	Births per	1,000 ADA	F Women	
					Age-Speci	Age-Specific Live Births / 1,000	ths / 1,000		
	Total Live	General	Total Fertility						
	Births / 1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44
	17-45+	Rate	17-44	years	years	years	years	years	years
1975-1994	69.6	70.3	589.7	38.0	86.9	81.4	55.0	23.8	4.7
White	69.5	70.0	1372.8	36.8	86.9	81.1	55.3	24.5	4.7
Black	70.9	71.2	1381.7	45.6	89.5	82.7	52.1	20.9	3.7
Other	64.3	64.9	1353.4	29.0	72.9	4.77	65.5	28.1	9.3





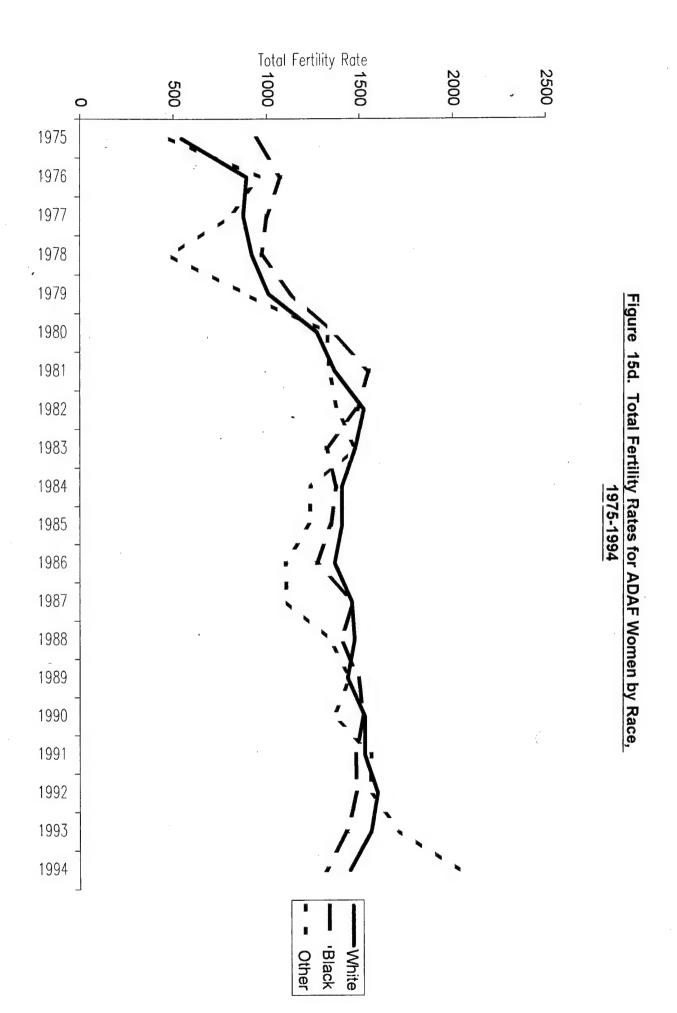


Table 16. Total per 1,000 Marrie Total Fertility Ra	Table 16. Total Live Births per 1,0 per 1,00 Married and Non-Married Total Fertility Rate calculated as the	,000, General ed Active Dut	Table 16. Total Live Births per 1,000, General Fertility Rate, Total Fertility Rate, and Age-Specific Births per 1,000 Married and Non-Married Active Duty Air Force (ADAF) Women, 1975-1994 Total Fertility Rate calculated as the sum of Age-Specific Births per 1,000 multipled by the age group interval.	tal Fertility F 3) Women, 19 1,000 multip	tate, and A 975-1994	ge-Specifi	ic Births Interval.	000	
	ilis per i, oco calet	וומופת מס ווופ ו		111 all age g	Age-Specif	Age-Specific Live Births / 1,000	ths / 1,000	at age grou	
Year and Marital Status	Total Live Births / 1,000 17-45+	General Fertility Rate	Total Fertility Rate 17-44	17-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1975	37.3	37.8	589.7	35.0	44.5	31.3	13.4	7.8	0.0
Married	73.3	73.7	1282.1	96.0	83.1	53.2	31.3	31.3	0.0
Non-Married	9.3	9.49	136.3	11.1	11.3	6.5	2.8	0.0	0.0
1976	51.7	52.3	922.9	34.6	62.3	49.0	32.7	19.9	0.0
Married	101.7	102.1	2089.4	177.0	110.0	82.1	67.2	52.4	0.0
Non-Married	15.8	16.03	230.8	12.7	21.4	10.2	4.8	2.2	0.0
1977	52.1	52.4	901.3	27.7	63.4	51.4	33.5	13.0	2.3
Married	97.9	98.3	. 1811.7	116.2	110.9	82.2	60.3	29.3	6.6 6
Non-Married	9.6	9.72	155.2	8.1	12.8	5.8	3.1	4.4	0.0
1978	52.9	53.2	924.3	31.3	63.8	53.1	35.9	11.1	2.2
Married	6.96	97.2	1804.2	121.9	109.3	84.9	59.7	25.5	8.3
Non-Married	12.3	12.36	183.2	11.4	16.4	7.7	3.4	2.2	0.0
1979	57.5	57.7	1039.7	33.9	68.2	59.0	38.8	19.6	2.0
Married	105.9	106.2	2041.3	135.6	121.7	93.0	62.9	42.4	8.9
Non-Married	12.5	12.59	185.2	11.5	16.3	8.5	5.4	0.0	0.0
1975-1979	51.5	51.9	906.9	32.3	61.5	51.2	33.6	14.4	1.3
Married	97.2	97.5	1846.7	127.2	108.9	83.1	59.7	36.0	5.3
Non-Married	12.0	12.15	179.9	11.0	15.8	7.8	4.1	1.8	0.0

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					Age-Speci	Age-Specific Live Births / 1,000	ths / 1,000		
	Total Live	General	Total Fertility						
Year and	Births / 1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44
Marital Status	17-45+	Rate	17-44	years	years	years	years	years	years
1980	71.3	71.6	1291.9	41.0	87.7	71.2	39.1	25.8	10.0
Married	115.5	115.8	2361.5	174.1	143.3	92.0	53.8	54.3	24.5
Non-Married	16.7	16.77	263.6	9.8	21.5	17.5	4.9	0.0	3.0
1981	79.8	80.1	1398.9	59.3	93.4	81.9	51.1	17.8	0.0
Married	121.7	122.0	2377.9	212.1	145.7	108.3	61.9	32.4	0.0
Non-Married	19.0	19.08	301.1	18.2	22.6	17.4	9.3	0.0	0.0
1982	85.7	86.0	1519.0	9.09	105.4	84.6	49.7	25.8	1.9
Married	124.5	124.8	2613.6	244.9	157.9	109.2	62.6	41.3	4.9
Non-Married	21.7	21.84	. 347.1	18.1	28.4	18.0	9.4	2.8	0.0
1983	80.4	80.7	1455.4	44.2	101.6	79.3	53.4	21.5	8.8
Married	118.5	118.8	2465.1	200.3	159.7	104.7	66.5	25.2	16.7
Non-Married	18.0	18.07	301.6	13.2	23.8	15.7	8.3	4.7	0.0
1984	76.1	76.4	1399.8	39.0	94.1	82.3	51.5	21.9	6.8
Married	114.1	114.5	2572.5	230.8	154.4	109.4	64.5	32.3	15.3
Non-Married	17.7	17.71	292.6	11.2	23.5	17.2	4.8	2.7	0.0
1980-1984	78.7	79.1	1419.7	49.1	96.5	80.1	50.0	22.4	5.5
Married	118.9	119.2	2456.5	207.7	152.1	105.1	62.9	34.2	12.3
Non-Married	18.6	18.69	303.6	14.0	24.0	17.1	8.2	2.4	9.0

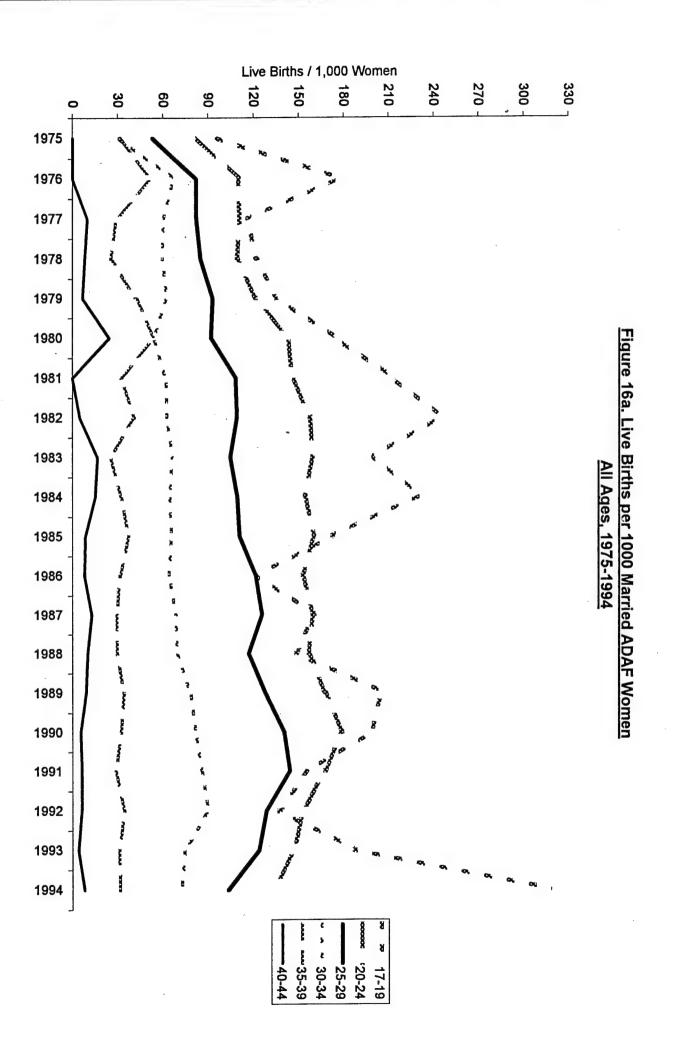
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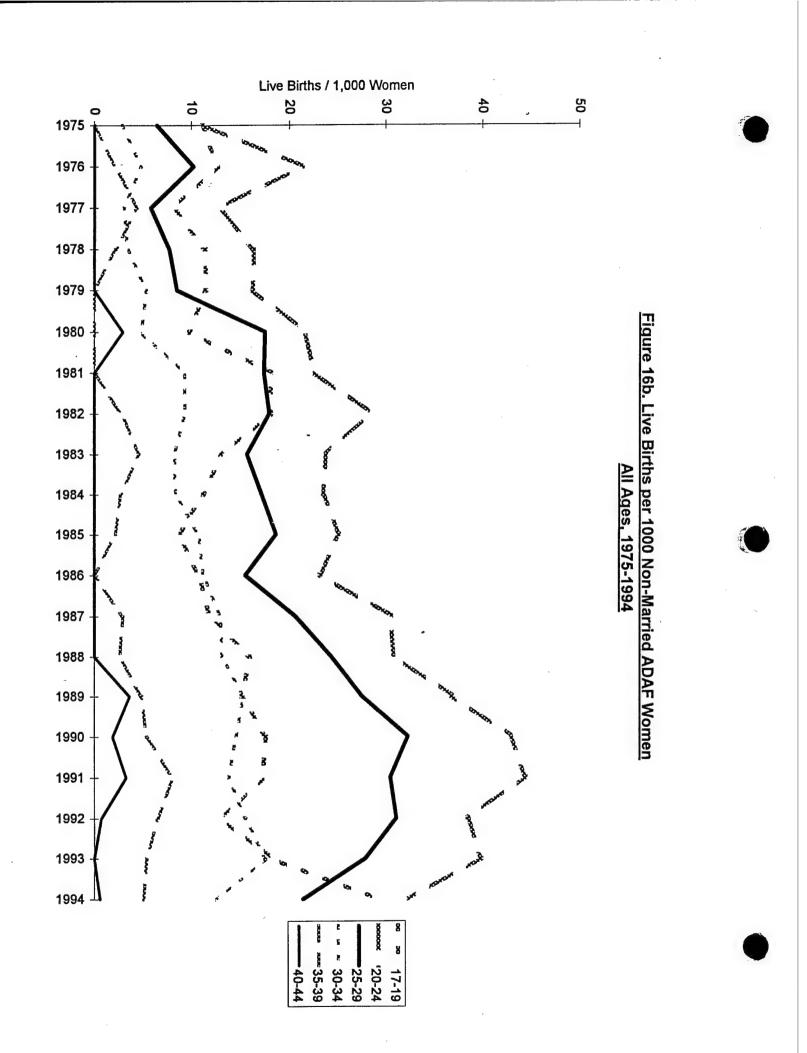
Table 16. (cont' per 1,000 Marrie	Table 16. (cont'd.) Total Live Birtl per 1,000 Married and Non-Marrie		hs per 1,000, General Fertili≎y Rate, Total Fertility Rate, and Age-Specific Births d ADAF Women, 1975-1994	Rate, Total	Fertility Ra	te, and Ag	e-Specific	Births	
					Age-Specil	Age-Specific Live Births / 1,000	hs / 1,000		
Year and	Total Live	General	Total Fertility Rafe	17-19	20-24	25-29	30-34	35-39	40-44
Marital Status	17-45+	Rate	17-44	years	years	years	years	years	years
1985	73.4	73.7	1396.2	26.5	91.9	83.7	53.6	28.6	5.5
Married	112.4	112.8	2435.1	172.9	160.7	110.9	65.8	37.4	8.6
Non-Married	18.3	18.39	310.2	8.7	25.2	18.7	10.8	2.2	0.0
1986	70.0	70.2	1343.5	25.7	84.5	87.7	52.6	24.1	4.3
Married	109.6	110.0	2262.0	123.0	153.0	121.7	64.2	31.7	8.1
Non-Married	16.7	16.76	282.2	10.8	23.2	15.5	11.2	0.0	0.0
1987	73.7	74.0	1448.8	30.5	92.1	91.3	56.0	23.8	8.3
Married	112.0	112.4	2465.3	160.5	159.9	125.8	68.8	29.3	12.9
Non-Married	21.3	21.35	, 371.8	11.9	30.6	20.7	13.0	3.0	0.0
1988	72.7	73.0	1455.0	34.6	93.3	88.7	56.8	24.0	7.3
Married	104.8	105.3	2361.8	148.7	156.9	117.0	69.5	29.5	10.2
Non-Married	22.6	22.66	402.6	16.0	30.8	24.4	13.1	2.6	0.0
1989	70.3	70.7	1443.9	34.5	90'6	87.9	58.4	24.3	6.9
Married	112.0	112.6	2707.1	205.9	168.0	127.9	78.6	34.3	9.1
Non-Married	25.9	26.09	486.7	15.1	36.8	27.5	15.4	4.9	3.6
1985-1989	72.0	72.3	1417.2	30.2	90.4	87.9	55.6	24.6	6.7
Married	110.2	110.6	2439.8	160.0	159.7	120.6	9.69	32.1	6.6
Non-Married	20.9	21.04	372.7	12.4	29.2	21.2	12.7	2.8	1.1

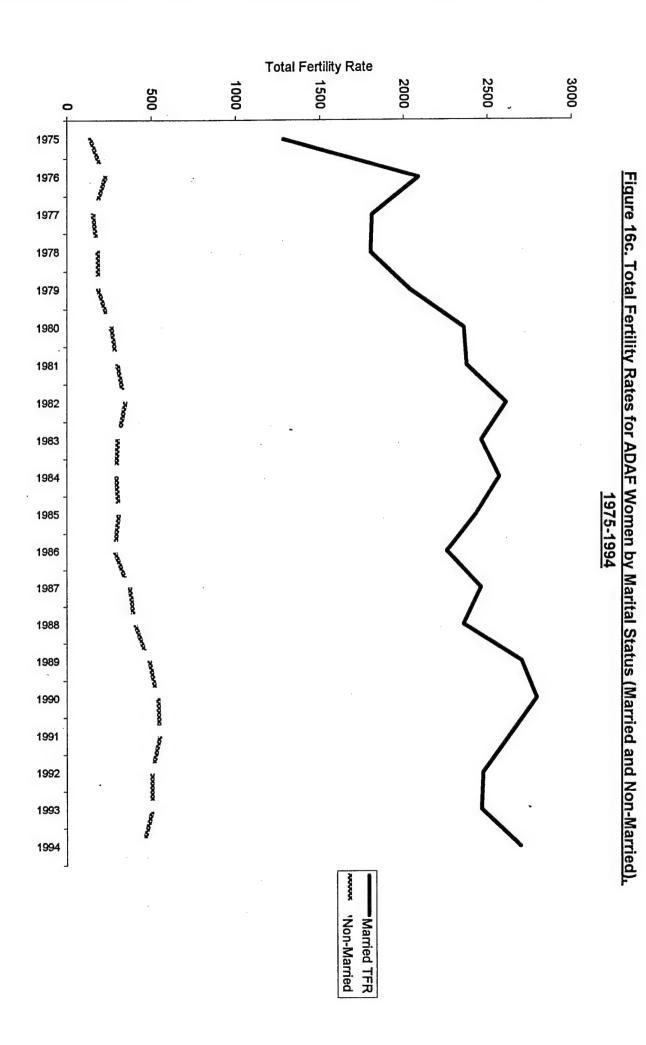
					Age-Speci	Age-Specific Live Births / 1,000	ths / 1,000		
Year and Marital Status	Total Live Births / 1,000	General Fertility Rate	Total Fertility Rate 17-44	17-19 vears	20-24 vears	25-29 vears	30-34 vears	35-39 vears	40-44 vears
1990	73.6	74.0	1522 7	38.2	101.2	94.9	58.1	23.3	4.1
Married	114.3	115.0	2797.7	199.3	179.6	140.7	81.9	32.3	5.5
Non-Married	28.6	28.74	538.6	17.7	42.9	32.3	14.6	5.4	1.9
1991	71.7	72.2	1521.3	34.5	99.1	6.96	9.09	21.8	5.1
Married	108.7	109.6	2636.9	156.7	167.9	144.5	85.8	28.8	6.2
Non-Married	28.2	28.41	552.7	17.3	44.4	30.5	13.8	8 .1	3.3
1992	71.5	72.2	1573.4	31.3	97.3	98.0	69.3	27.1	4.2
Married	100.2	101.4	2479.4	137.5	153.4	128.7	90.4	34.8	6.1
Non-Married	25.1	25.29	, 501.7	13.1	38.5	31.1	15.5	6.5	0.7
1993	69.1	70.0	1544.1	48.2	98.4	94.3	60.1	24.6	5.6
Married	94.1	95.3	2469.6	187.9	147.4	123.9	74.7	31.1	4.0
Non-Married	25.3	25.63	508.7	18.2	39.9	27.9	17.6	5.4	0.0
1994	61.4	62.5	1453.1	69.1	84.0	79,0	56.0	24.5	5.6
Married	83.6	85.0	2702.2	317.9	133.9	103.4	72.6	31.7	8.1
Non-Married	21.8	22.18	448.5	29.1	32.5	21.5	12.6	5.1	9.0
1990-1994	69.6	70.3	1517.4	41.8	96.1	92.9	8.09	24.3	4.3
Married	100.4	101.5	2589.1	188.0	157.0	129.0	81.3	31.7	6.1
Non-Married	26.0	26.20	508.8	18.1	39.8	29.0	14.8	6.1	7

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Table 16. (cont' per 1,000 Marrie	Table 16. (cont'd.) Total Live Birt per 1,000 Married and Non-Marrie	ths per 1,000 ad ADAF Wor	ths per 1,000, General Fertility Rate, Total Fertility Rate, and Age-Specific Births ed ADAF Women, 1975-1994	Rate, Total	Fertility Ra	ite, and Ag	e-Specific	Births	
					Age-Speci	Age-Specific Live Births / 1,000	hs / 1,000		•
	Total Live	General	Total Fertility						
Year and	Births / 1,000	Fertility	Rate	17-19	20-24	25-29	30-34	35-39	40-44
Marital Status	17-45+	Rate	17-44	years	years	years	years	years	years
1975-1994	69.6	70.0	, 589.7	38.0	86.9	81.4	55.0	23.8	4.7
Married	107.5	108.1	2350.5	167.9	144.9	112.9	72.1	32.2	7.2
Non-Married	19.9	20.03	359.6	13.5	27.0	19.8	11.7	4.3	0.9







						Age-Sp	Age-Specific Births / 1,000	/ 1,000		
		Total Live Births / 1,000 17-45+	General Fertility Rate	Total Fertility Rate Enlisted 17-44 Officer 20-44	17-19 years	20-24 vears	25-29 vears	30-34 vears	35-39 years	40-44 years
1		100	0.10		25.0	110	24.2	116	107	6
1975		%. %.	37.8		52.3	44.0	5.15	0.1.	D.	0.0
T)	Enlisted Grades E1-E3	34.2	34.3		25.9	39.2	28.9	0.0	0.0	0.0
Ш	Enlisted Grades E4-E6	55.6	55.9		0.0	64.1	4.4	9.7	26.4	0.0
Ш	Enlisted Grades E7-E9	8,5	12.7	665.9	0.0	0.0	0.0	0.0	27.1	0.0
ទី	Company Grades O1-O3	12.3	12.3		0.0	6.5	17.0	12.6	7.4	0.0
	Field Grades 04+	1.0	1.6	202.5	0.0	0.0	0.0	26.4	0.0	0.0
1976		53.9	52.3		43.4	83.5	48.9	31.9	19.8	0.0
	Enlisted Grades E1-E3	53.3	53.4		43.4	60.4	36.9	0.0	0.0	0.0
ш	Enlisted Grades E4-E6	69.2	69.4		0.0	77.3	62.1	34.9	12.8	0.0
Ш	Enlisted Grades E7-E9	16.4	24.4	1007.9	0.0	0.0	0.0	0.0	4.5	0.0
ວິ	Company Grades 01-03	27.7	27.7		0.0	15.9	36.5	30.8	18.1	0.0
	Field Grades 04+	7.1	14.3	513.3	0.0	0.0	0.0	47.7	19.4	0.0
1977		51.8	52.4		26.9	63.6	51.5	32.5	13.1	0.0
	Enlisted Grades E1-E3	44.7	44.8		26.9	54.6	37.2	0.0	0.0	0.0
ш	Enlisted Grades E4-E6	73.3	73.7		0.0	85.1	64.4	25.3	11.7	0.0
ш	Enlisted Grades E7-E9	0.0	0.0	843.1	0.0	0.0	0.0	0.0	0.0	0.0
ပိ	Company Grades O1-O3	28.8	29.0		0.0	17.3	35.8	35.8	8.5	0.0
	Field Grades 04+	12.2	18.0	539.6	0.0	0.0	0.0	113.2	18.9	0.0
1978		52.6	53.2		30.3	62.6	55.3	34.9	11.1	2.2
	Enlisted Grades E1-E3	45.1	45.2		30.3	53.7	39.8	0.0	0.0	0.0
w	Enlisted Grades E4-E6	73.5	73.8		0.0	83.9	67.8	41.9	0.0	0.0
u	Enlisted Grades E7-E9	0.0	0.0	905.8	0.0	0.0	0.0	0.0	0.0	0.0
ပိ	Company Grades O1-03	32.0	32.0		0.0	22.5	40.6	30.3	15.7	0.0
	Field Grades O4+	5.6	9.5	544.0	0.0	0.0	0.0	15.4	12.1	2.9
1979		57.2	57.7		33.7	67.4	59.4	39.0	20.3	0.0
	Enlisted Grades E1-E3	52.3	52.4		33.7	61.7	50.3	0.0	0.0	0.0
	Enlisted Grades E4-E6	75.0	75.1		0.0	88.3	6.69	37.3	21.3	0.0
	Enlisted Grades E7-E9	21.9	26.8	1131.8	0.0	0.0	0.0	0.0	60.1	0.0
ပိ	Company Grades O1-O3	33.0	33.1		0.0	15.1	0.14	45.5	19.9	0.0
	Field Grades 04+	5.6	7.5	579.6	0.0	0.0	0.0	10.2	4.5	0.0
1975-1979		51.3	51.9		31.6	61.3	51.9	32.9	14.5	0.4
	Enlisted Grades E1-E3	46.4	46.5		31.6	54.6	39.9	0.0	0.0	0.0
	Enlisted Grades E4-E6	71.2	71.4		0.0	81.4	64.9	34.6	14.5	0.0
	Enlisted Grades E7-E9	9.4	12.8	953.6	0.0	0.0	0.0	0.0	25.9	0.0
റ്	Company Grades O1-O3	27.7	27.8	•	0.0	15.7	35.3	32.7	14.0	0.0
	Field Crades O4+	64	102	4004	=======================================	¢	2	4.77	2.5.5	-

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						Age-Spe	Age-Specific Births / 1,000	3/1,000	,	
		Total Live Births / 1,000 17-45+	General Fertility Rate	Total Fertility Rate Enlisted 17-44 Officer 20-44	17-19 vears	20-24 vears	25-29 vears	30-34 vears	35-39 vears	40-44 vears
					200	1		, ,	9	
1980		71.2	71.6		40.6	87.9	71.3	38.1	8.67	5. O
	Enlisted Grades E1-E3	70.0	70.2		40.7	84.8 8.	6.69	0.0	0.0	0.0
	Enlisted Grades E4-E6	86.8	87.0		0.0	102.1	82.3	43.9	17.2	0.0
	Enlisted Grades E7-E9	12.2	14.3	1342.2	0.0	0.0	0.0	0.0	17.0	21.8
	Company Grades 01-03	35.4	35.8		0.0	27.6	43.0	31.5	7.22	0.0
	Field Grades 04+	14.3	20.0	667.3	0.0	0.0	0.0	35.4	35.1	2.7
1981		79.7	80.1		58.6	93.6	82.1	50.4	17.8	0.0
	Enlisted Grades E1-E3	81.4	81.6		58.9	90.2	94.2	0.0	0.0	0.0
	Enlisted Grades E4-E6	90.2	90.4		0.0	103.8	89.3	50.3	6.2	0.0
	Enlisted Grades E7-E9	14.2	15.4	1392.0	0.0	0.0	0.0	30.8	13.0	0.0
	Company Grades 01-03	48.0	48.0		0.0	40.4	52.7	52.1	23.4	0.0
	Field Grades 04+	12.4	17.3	845.8	0.0	0.0	0.0	88.4	22.0	0.0
1982		85.5	86.0		59.9	105.7	84.5	48.9	26.0	6.
	Enlisted Grades E1-E3	85.1	85.4		60.2	95.0	82.2	0.0	0.0	0.0
	Enlisted Grades E4-E6	98.7	98.9		0.0	127.6	91.4	49.2	21.4	0.0
	Enlisted Grades E7-E9	14.6	34.8	1516.3	0.0	0.0	0.0	31.3	8.7	0.0
	Company Grades 01-03	52.0	52.0		0.0	32.7	64.8	51.4	27.0	0.0
	Field Grades 04+	15.1	20.3	903.2	0.0	0.0	0.0	9. S.	35.3	2.6
1983		80.4	80.7		43.6	101.8	79,4	53.4	21.6	5.3
	Enlisted Grades E1-E3	75.7	75.8		43.7	87.0	68.2	0.0	0.0	0.0
	Enlisted Grades E4-E6	94.7	94.9		0.0	129.8	86.2	53.4	17.9	0.0
	Enlisted Grades E7-E9	13.4	23.0	1426.1	0.0	0.0	0.0	20.7	14.1	0.0
	Company Grades 01-03	52.3	52.4	6766	0.0	?; c	2 6	7.00	2.5	7 0
	Field Grades 04+	7.77	78.5	954.5	0))	5 7	0.00	5. 6	
1984		75.5	76.4		38.7	93.7	8. 18	51.0	2.12 9.0	ב. פ
	Enlisted Grades E1-E3	74.3	74.6		38.7	87.0	4.70	0.0		9 6
	Enlisted Grades E4-E6	86.0	86.1		0.0	0.211	0 0 0	4 n	0. 0	9 0
	Enlisted Grades E7-E9	24.1	31.2	1365.0	0.0	0.0	0.0	0.77	2.0	9 6
	Company Grades O1-O3	52.5 24.6	34.0	933.6	9 0	30	30	80.6	33.3	7.3
		O L	1 5		40.6	8	0 0	707	2	
1960-1964	J84 Fallsted Candon F4 F3	, t 1	18.		46.0	2 8	76.1	00	00	000
	Cilibrat Grades First		5 6			1152	87.8	49.4	18.7	0.0
-	Enlisted Grades E4-E0	17.3	26.5	1416.7	000	00	0	37.9	œ.	4.1
	Commany Grades O1-03	48.5	48.7		0.0	33.2	58.7	50.7	22.2	0.0
	Company Circles									

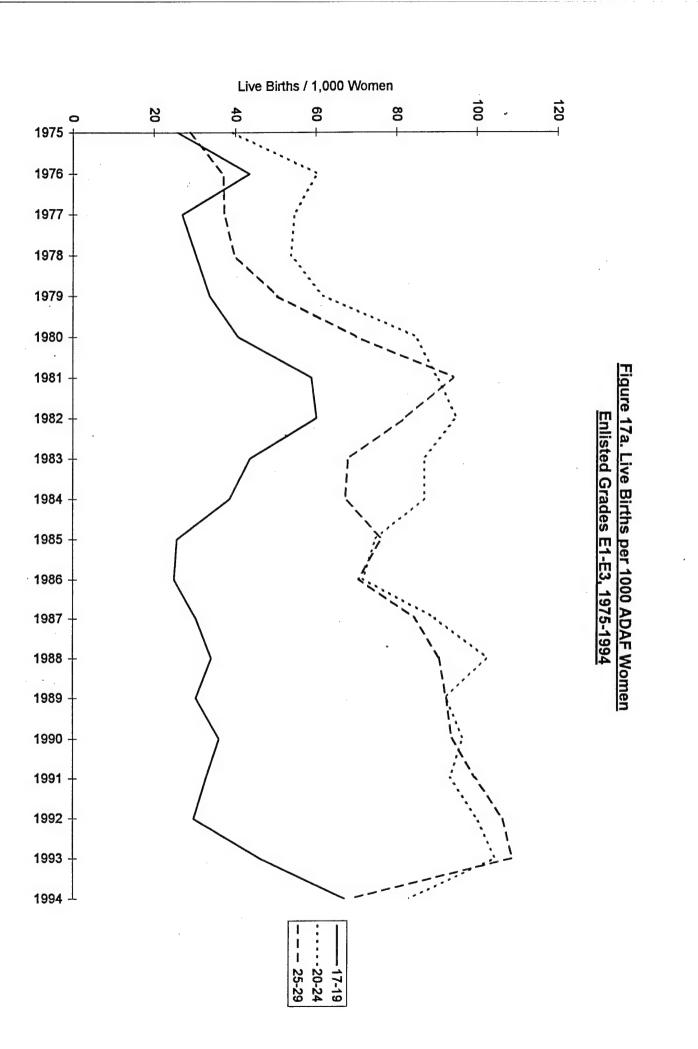
						Age-Spe	Age-Specific Births / 1,000	1,000		
		Total Live Births / 1,000 17-45+	General Fertility Rate	Total Fertility Rate Enlisted 17-44 Officer 20-44	17-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1985		71.4	73.7		25.7	89.5	81.5	51.9	28.4	5.6
3	Enlisted Grades E1-E3	62.3	62.6		25.7	74.9	76.5	0.0	0.0	0.0
	Enlisted Grades E4-E6	87.1	87.1		0.0	121.6	89.5	48.6	22.5	0.0
	Enlisted Grades E7-E9	12.5	15.7	1359.7	0.0	0.0	0.0	13.4	14.0	11.7
	Company Grades O1-03	48.9	48.9		0.0	22.3	56.3	61.2	36.6	0.0
	Field Grades O4+	21.9	38.7	928.0	0.0	0.0	0.0	86.8	39.1	6.7
1986		66.69	70.2		25.0	84.6	88.1	52.4	24.1	3.3
	Enlisted Grades E1-E3	58.9	59.1		25.0	71.9	70.7	0.0	0.0	0.0
	Enlisted Grades E4-E6	86.5	86.6		0.0	116.4	97.2	49.4	4.0	0.0
	Enlisted Grades E/-E9	19.7	22.9	1318.3	0.0	3 °C	0.0 8	8 8 9 9	33.4	9 6
	Field Grades O4+	27.2	33.1	948.6	0.0	0.0	0.0	73.7	35.7	5.8
1987		73.5	74.0		30.4	92.2	91.4	55.6	23.9	5.0
	Enlisted Grades E1-E3	73.4	73.7		30.4	89.7	84.6	0.0	0.0	0.0
	Enlisted Grades E4-E6	84.4	84.6		0.0	109.2	99.5	54.5	17.8	0.0
	Enlisted Grades E7-E9	16.8	18.4	1419.7	0.0	0.0	0.0	27.3	13.2	0.9
	Company Grades O1-03	53.8	54.0		0.0	18.3	67.3	61.6	41.2	0.0
	Field Grades 04+	28.8	34.0	963.5	0.0	0.0	0.0	8.9 6.9	30.6	8.2
1988		72.5	74.0		34.2	93.4	88.8	3 6.1	24.1	5.4
	Enlisted Grades E1-E3	83.0	83.5		34.2	102.5	8.06	0.0	0.0	0.0
	Enlisted Grades E4-E6	9.77	77.8		0.0	93.1	96.2	52.9	20.0	0.0
	Enlisted Grades E7-E9	17.7	20.0	1434.7	0.0	0.0	0.0	29.3	14.2	æ, c
	Company Grades 01-03 Field Grades 04+	52.0 32.5	52.1 38.7	948.0	0.0	0.0	8. C	76.0	42.1	9.0
1989		66.1	70.7		30.4	87.9	80.7	1.42	24.3	4.
	Enlisted Grades E1-E3	74.0	74.3		30.4	92.4	92.5	0.0	0.0	0.0
	Enlisted Grades E4-E6	72.2	72.3		0.0	92.7	84.5	53.3	21.6	0.0
	Enlisted Grades E7-E9	15.5	17.0	1334.7	0.0	0.0	0.0	32.3	12.5	0.0
	Company Grades O1-03	49.8	50.4		0.0	19.6	61.7	61.6	32.4	0.0
	Field Grades 04+	28.3	32.9	930.4	0.0	0.0	0.0	57.2	38.9	11.2
1985-1989	686	70.7	72.3		29.0	89.5	86.1	54.1	24.6	4.7
	Enlisted Grades E1-E3	70.0	70.3		29.1	82.8	82.6	0.0	0.0	0.0
•	Enlisted Grades E4-E6	81.3	4.18		0.0	106.4	93.4	51.8	29.5	0.0
•	Enlisted Grades E7-E9	16.6	18.7	1370.1	0.0	0.0	0.0	28.9	13.4	4. 0
	Company Grades 01-03	51.4	51.6		0.0	20.1	62.7	62.8	84. 16 16. 17	0 0
	Field Grades 04+	7.62	500	946.1	0.0))	0.0	70	U. / D	0.0

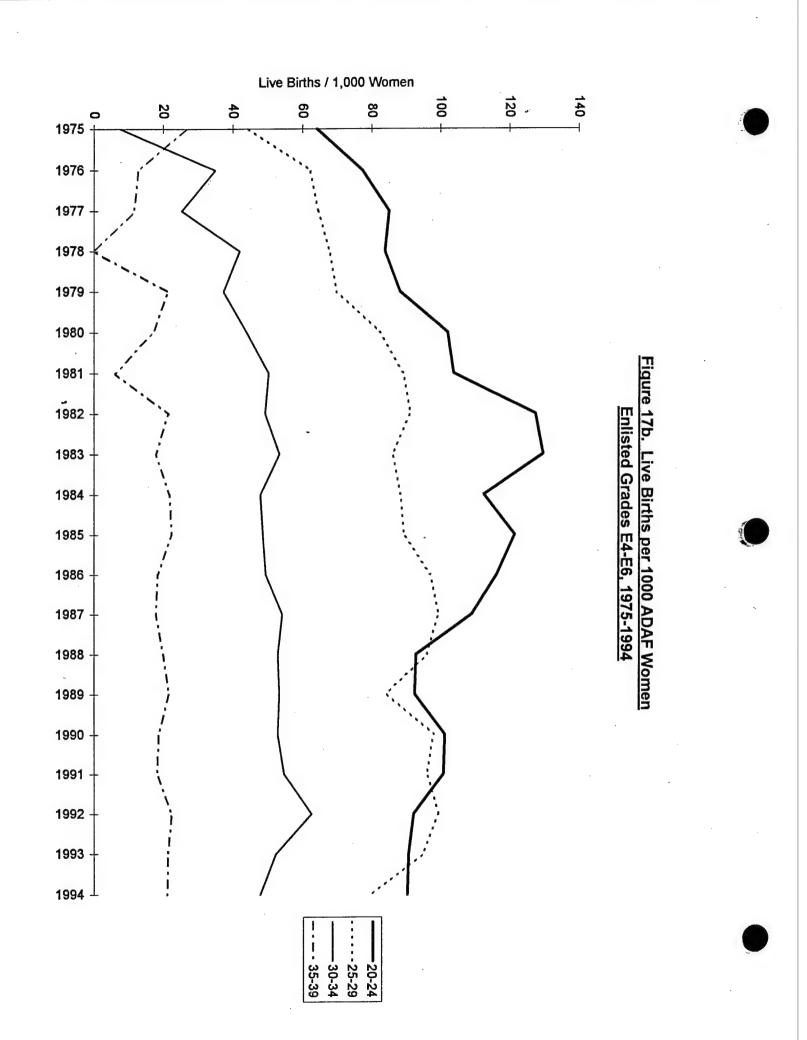
						Age-Spe	Age-Specific Births / 1,000	1,000		
		Total Live Births / 1,000 17-45+	General Fertility Rate	Total Fertility Rate Enlisted 17-44 Officer 20-44	17-19 vears	20-24 vears	25-29 vears	30-34 vears	35-39 vears	40-44 vears
) valid		a made	a mark	200	2	2	
1990		69.4	74.0		36.1	94.1	91.4	55.0	23.0	2.2
	Enlisted Grades E1-E3	79.3	79.9		36.1	96.7	93.9	0.0	0.0	0.0
	Enlisted Grades E4-E6	76.9	77.1		0.0	101.4	98.1	52.9	18.7	0.0
	Enlisted Grades E7-E9	13.9	14.9	1433.0	0.0	0.0	0.0	27.9	13.8	0.0
	Company Grades 01-03	52.0	52.2		0.0	18.9	67.1	64.9	29.6	0.0
	Field Grades 04+	31.3	36.1	965.8	0.0	0.0	0.0	80.9	42.6	6.4
1991		67.7	72.2		32.9	92.9	92.5	57.6	21.4	2.7
	Enlisted Grades E1-E3	78.6	79.2		32.9	93.5	7.66	0.0	0.0	0.0
	Enlisted Grades E4-E6	74.7	74.9		0.0	101.1	96.3	54.7	18.2	0.0
	Enlisted Grades E7-E9	11.6	12.2	1417.2	0.0	0.0	0.0	21.5	12.7	2.5
	Company Grades 01-03	57.0	57.6		0.0	20.3	76.4	71.5	29.9	0.0
	Field Grades 04+	27.4	31.7	1038,2	0.0	0.0	0.0	95.2	34.8	6.7
1992		68.4	72.2		29.9	92.2	94.5	9.79	26.6	2.6
	Enlisted Grades E1-E3	7.67	79.8		59.9	1001	106.5	0.0	0.0	0.0
	Enlisted Grades E4-E6	75.5	75.8		0.0	92.4	9.66	62.7	22.5	0.0
	Enlisted Grades E7-E9	13.7	14.4	1481.9	0.0	0.0	0.0	31.5	15.1	2.7
	Company Grades 01-03	6.09	61.7		0.0	17.8	72.0	86.9	39.5	0.0
	Field Grades 04+	30.2	35.6	1125.0	0.0	0.0	0.0	109.4	1 .	6.1
1993		9.99	70.0		46.3	93.9	92.0	58.4	24.2	2.1
	Enlisted Grades E1-E3	88.2	88.5		46.3	104.6	109.0	0.0	0.0	0.0
	Enlisted Grades E4-E6	70.4	70.6		0.0	91.0	95.0	52.3	21.4	0.0
	Enlisted Grades E7-E9	12.7	13.3	1465.1	0.0	0.0	0.0	36.6	14.7	0.8
	Company Grades O1-O3	58.8	26.7		0.0	21.3	73.7	83.2	35.1	0.0
	Field Grades 04+	22.4	26.7	1088.0	0.0	0.0	0.0	62.4	38.2	6.
1994		59.6	62.5		67.2	82.2	76.3	54.9	24.2	2.3
	Enlisted Grades E1-E3	79.1	79.5		67.2	83.4	68.8	0.0	0.0	0.0
	Enlisted Grades E4-E6	62.0	62.6		0.0	9.06	80.1	47.9	21.1	0.0
	Enlisted Grades E7-E9	8.6	9.4	1351.4	0.0	0.0	0.0	30.5	10.7	£.
	Company Grades O1-03	54.7	56.4		0.0	18.9	66.1	79.4	37.4	0.0
	Field Grades 04+	27.2	33.0	1064.8	0.0	0.0	0.0	97.3	45.7	6.6
	1990-1994	66.4	70.3		40.0	91.1	89.5	58.6	23.9	2.4
	Enlisted Grades E1-E3	80.9	81.3	-	40.0	95.2	94.4	0.0	0.0	0.0
	Enlisted Grades E4-E6	72.2	72.5		0.0	95.8	<u>4</u>	<u>7.</u>	20.4	0.0
-	Enlisted Grades E7-E9	12.0	12.7	1423.9	0.0	0.0	0.0	29.3	13.4	د.
	Company Grades O1-O3	56.6	57.4		0.0	19.4	71.1	76.7	34.0	0.0
	Field Grades 04+	27.5	305	1053.5	C	0.0	C	c c	410	Ġ

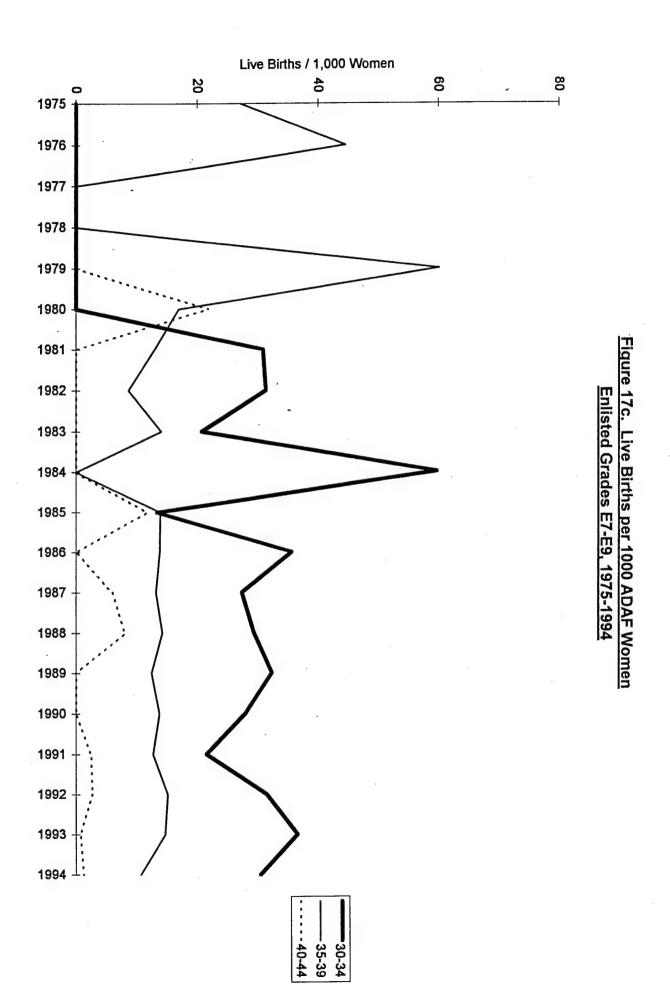
						17 100 151	000		
					Age-Sp	Age-Specific Births / 1,000	2/1,000		
	Total Live	General	Total Fertility Rate	!					;
	Births / 1,000	Fertility	Enlisted 17-44	17-19	20-24	25-23	30-34	35-39	44-04
	17-45+	Rate	Officer 20-44	years	years	years	years	years	years
1975-1994	68.2	70.0		36.9	85.5	80.1	53.5	23.6	2.8
Enlisted Grades E1-E3	67.8	68.1		37.0	80.6	69.5	0.0	0.0	0.0
Enlisted Grades E4-E6	79.9	80.1		0.0	102.0	88.7	51.5	20.1	0.0
Enlisted Grades E7-E9	13.4	15.1	1331.5	0.0	0.0	0.0	29.6	13.4	6.1
Company Grades O1-03	48.6	49.0		0.0	22.9	59.3	9.09	30.5	0.0
Field Grades 04+	23.9	29.7	908.4	0.0	0.0	0.0	77.1	36.0	5.7

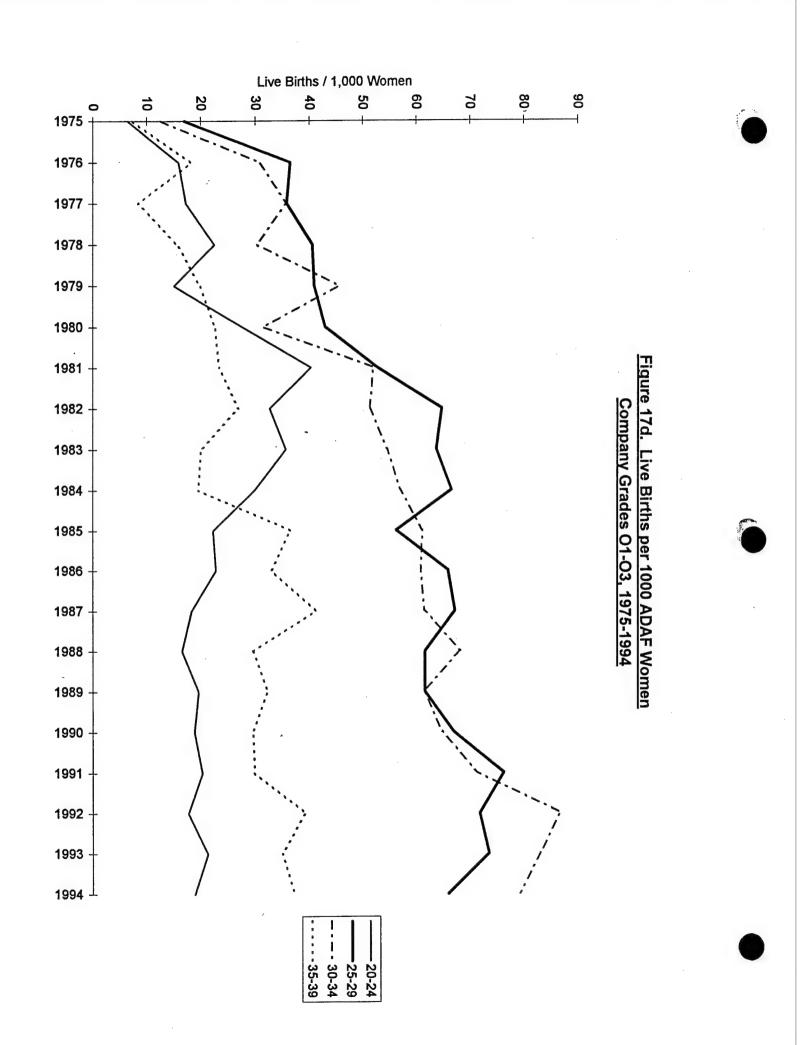
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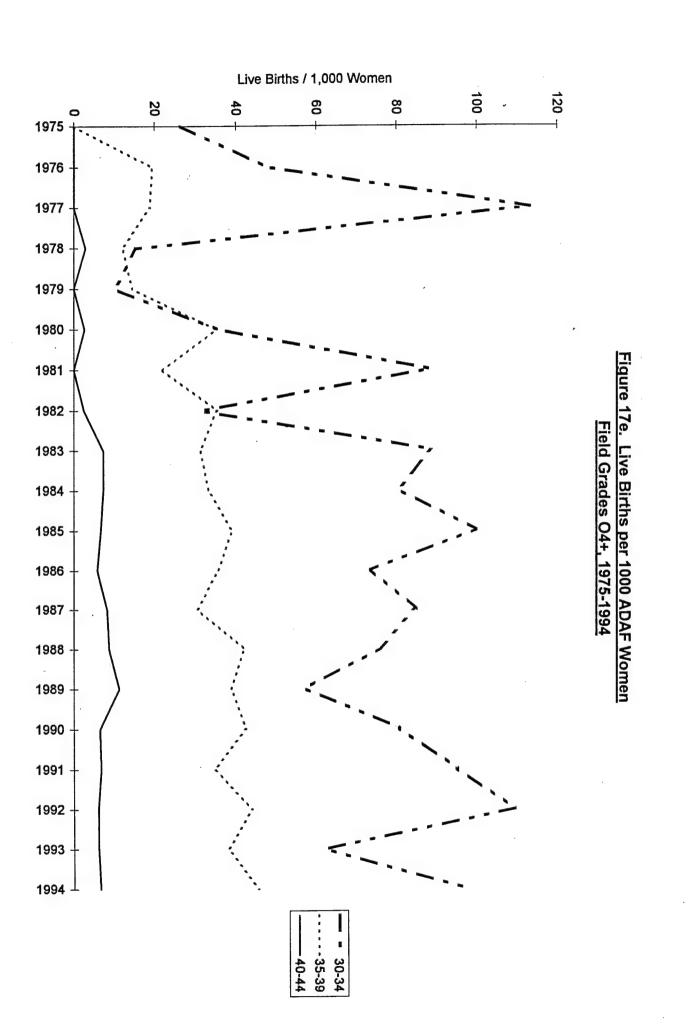
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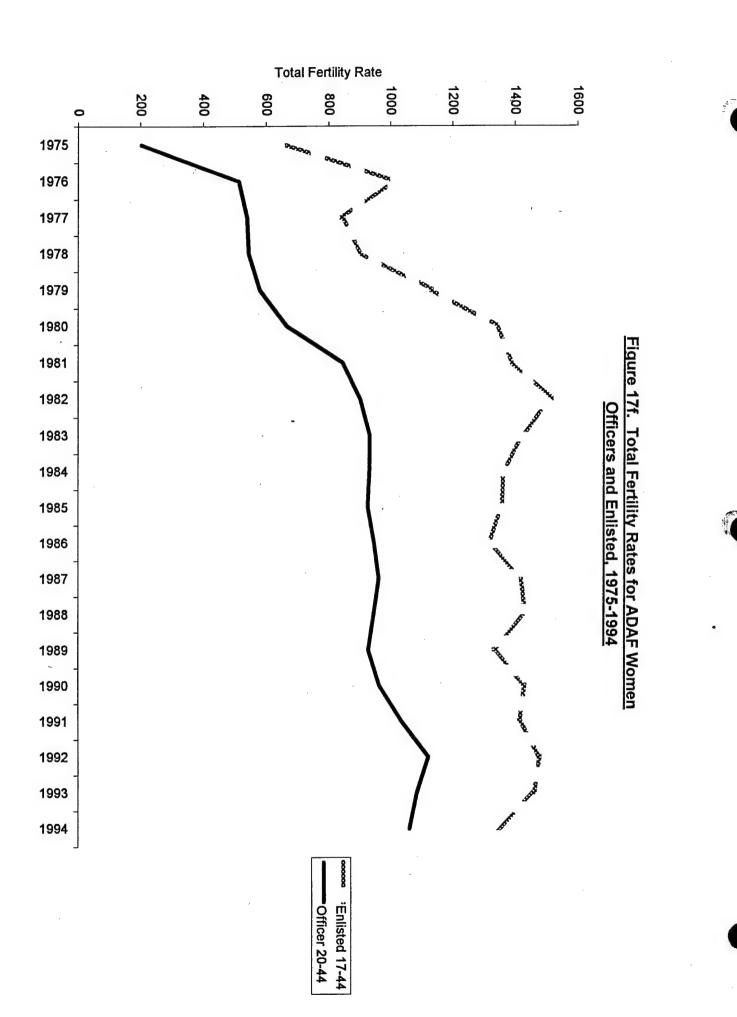












0.0000000 /ears 8 | 8 8 8 | 0.0 Table 18. Total Live Births per 1,000, General Fertility Rate, Total Fertility Rate, and Age-Specific Births per 1,000 Active Duty Air Force 7.5 0.0 0.0 0.0 0.0 13.2 16.3 0.0 0.0 65.2 0.0 0.0 0.0 0.00000 100 Age Specific Births / 1000 43.2 24.5 35.6 0.0 22.7 31.5 61.5 33.8 50.8 45.7 0.0 0.0 45.6 35.8 26.2 17.8 0.0 0.0 0.0 26.9 0.0 52.8 0.0 45.2 44.4 27.7 27.7 59.5 69.8 67.1 39.5 36.0 36.0 36.0 56.3 42.3 47.1 31.9 61.6 61.6 57.3 61.8 26.9 60.1 62.9 40.8 29.5 36.8 40.6 2.8 6.2 45.4 62.2 34.1 69.9 80.1 51.3 43.2 92.7 34.1 65.2 66.2 50.0 years 82.9 39.0 73.5 46.7 72.7 73.7 2.7 32.1 45.2 53.6 20.2 64.4 7. 19.5 71.0 39.6 46.6 17.2 58.0 16.8 38.4 37.6 22.0 19.3 124.7 26.6 58.5 45.3 49.8 61.1 years 15.5 28.7 86.9 28.7 8.1 8.1 53.6 29.9 0.3 23 32.1 Total Fertility 528.8 992.4 1021.5 433.9 740.2 1321.3 793.7 1293.9 728.2 1776.2 1077.8 501.2 998.7 20.8 622.9 643.1 388.3 901.5 651.0 51.5 776.2 402.8 656.2 453.1 306.1 (ADAF) Enlisted Women by Job Group, 1975-1994 **General Fertility** Rate (17-44) 29.3 59.2 62.5 37.6 62.3 65.6 38.6 77.9 54.2 30.3 62.5 69.4 43.6 46.5 24.3 55.6 91.0 39.8 62.5 42.3 74.1 39.5 1.2 42.1 3.1 32.1 Total Live Births / 1,000 29.3 62.3 37.6 43.5 65.4 1.2 38.4 46.3 31.6 24.2 55.4 39.4 54.2 30.3 62.4 59.1 39.6 52.2 41.7 73.7 66.2 3.1 69.1 7: Health Care Health Care Funct Supp/Admin Tactical Ops Health Care Funct Supp/Admin Repair/Craftsman Services/Supply Other Enlisted Tactical Ops Electr/Comm/Intell Health Care Funct Supp/Admin Repair/Craftsman Services/Supply Other Enlisted Tactical Ops Electr/Comm/Intell Funct Supp/Admin Repair/Craftsman Tactical Ops Electr/Comm/Intell Repair/Craftsman Services/Supply Electr/Comm/Intell Other Enlisted Job Group Year and 1978 1976 1975 1977

30.0 53.7 36.7 42.2 61.5

2.3

48.2 67.2 30.7 76.1 64.0 40.4 69.7

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574.7

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62.2

Services/Supply

Other Enlisted

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18.8 6.5 33.8 45.7

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635.0

59.1 38.5 64.9 62.4 45.7

38.5 64.8 62.2

Electr/Comm/Intell Health Care Funct Supp/Admin Services/Supply

59.1

Tactical Ops

1979

45.7

Repair/Craftsman

Other Enlisted

							Age Specific Births / 1000	3irths / 1000		
Yea	Year and Job Group	Total Live Births / 1.000	General Fertility Rate (17-44)	Total Fertility Rate	17-19 vears	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1975-1979		38.4	38.5	693.1	19.9	43.2	42.7	56.9	13.9	0.0
	Tactical Ops	63.8	63.8	1832.7	38.1	72.5	58.5	41.9	170.8	0.0
E E	Electr/Comm/Intell	36.0	36.1	597.2	22.2	40.4	36.1	29.6	0.0	0.0
	Health Care	60.1	60.3	1054.8	39.6	67.0	59.2	40.1	21.0	0.0
Ē	Funct Supp/Admin	56.3	56.6	953.7	34.3	64.8	57.1	48.3	0.0	0.0
æ	Repair/Craftsman	44.9	44.9	621.4	34.8	51.8	37.3	14.4	0.0	0.0
	Services/Supply	64.3	64.4	1020.4	43.4	73.4	61.7	29.3	13.5	0.0
	Other Enlisted	1.2	1.2	80.4	9.0	1.2	2.0	1.0	11.6	0.0
1980		48.4	48.4	893.2	24.3	26.0	51.6	30.0	12.8	13,5
:	Tactical Ops	55.2	55.1	2488.9	23.5	66.5	59.9	24.7	332.7	0.0
ធា	Electr/Comm/Intell	51.5	51.5	806.6	30.5	59.0	55.5	28.6	0.0	0.0
	Health Care	76.3	76.4	1192.6	40.8	89.7	75.5	48.9	0.0	0.0
Ē	Funct Supp/Admin	79.7	80.0	1758.5	46.1	100.2	75.8	35.4	49.9	62.6
œ	Repair/Craftsman	57.4	57.4	9.968	51.9	66.1	37.7	4.4	0.0	0.0
	Services/Supply	72.2	72.3	1121.5	37.4	88.3	71.7	34.3	2.6	0.0
	Other Enlisted	4.0	9.0	13.2	4.0	9.0	0.0	6 .	0.0	0.0
1981		54.5	54.5	894.5	40.4	60.1	58.1	31.6	5.0	0.0
Tact	Tactical Ops	61.2	61.2	926.6	56.6	65.8	59.9	25.7	0.0	0.0
ũ	Electr/Comm/Intell	52.1	52.1	825.9	43.6	54.1	57.6	27.3	0.0	0.0
	Health Care	88.8	88.9	1409.6	72.5	97.9	85.9	44.6	0.0	0.0
3	Funct Supp/Admin	85.2	85.4	1551.2	86.3	94.7	6.06	48.2	24.7	0.0
DC.	Repair/Craftsman	68.0	68.0	926.9	46.8	81.0	51.7	24.7	0.0	0.0
	Services/Supply	77.6	77.6	1242.8	69.1	90.3	75.6	36.4	4.9	0.0
	Other Enlisted	9.0	0.8	17.7	0.8	0.7	8.0	1.5	0.0	0.0
1982		59.0	29.0	984.0	37.5	68.9	59.5	31.5	14.3	0.0
ł.	Tactical Ops	79.0	79.0	1166.4	65.2	87.5	78.6	28.2	0.0	0.0
ū	Electr/Comm/intell	61.1	61.1	946.6	38.5	69.0	57.2	40.0	0.0	1
	Health Care	87.1	87.1	1426.6	58.3	104.2	90.4	37.9	17.8	0.0
Ţ	Funct Supp/Admin	91.9	91.5	1471.7	29.3	116.3	93.9	51.3	. 15.2	0.0
œ	Repair/Craftsman	7.77	77.8	1104.0	79.9	86.9	61.1	24.9	0.0	0.0
-	Services/Supply	79.4	79.6	1317.5	45.0	98.9	81.9	37.2	18.5	0.0
	Other Pallabor		70	77	0	70	C.	00	0	c

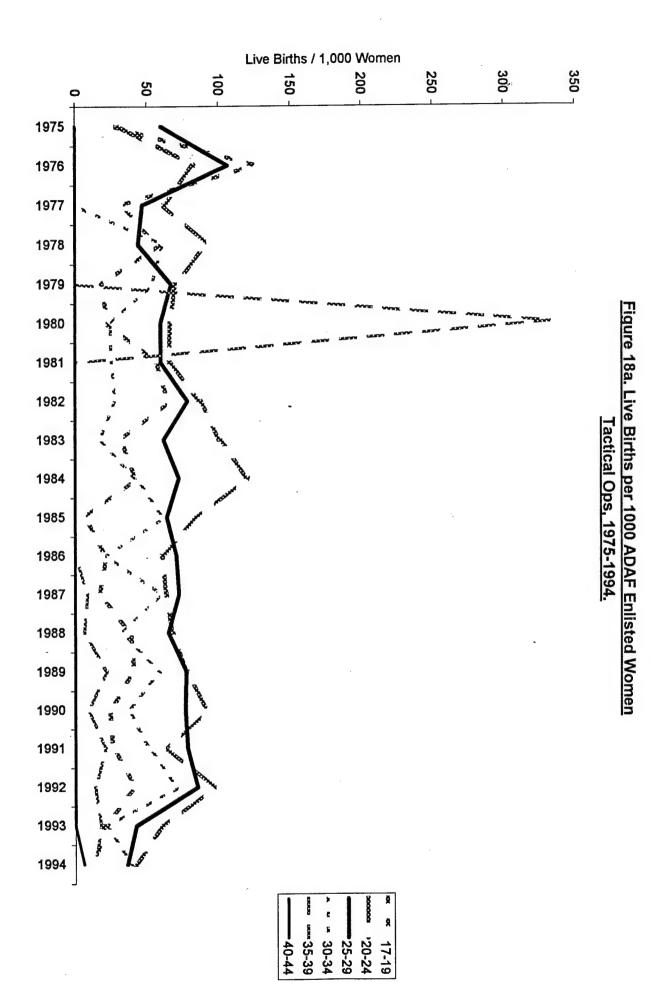
							Age Specific Births / 1000	3irths / 1000		
	Year and Job Group	Total Live Births / 1,000	General Fertility Rate (17-44)	Total Fertility Rate	17-19 years.	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1983		54.8	54.8	967.9	25.9	65.7	55.2	34.5	10.8	11.9
}	Tactical Ops	77.1	77.1	996.2	32.2	100.8	62.0	17.2	0.0	0.0
	Electr/Comm/Intell	8,95	56.8	863.6	43.5	63.4	54.8	28.4	0.0	0.0
	Health Care	75.2	75.3	1288.9	34.8	91.2	78.2	46.9	20.6	0.0
	Funct Supp/Admin	91.9	92.3	1541.7	41.8	124.5	89.8	0.69	0.0	0.0
	Repair/Craftsman	77.2	77.2	1155.4	63.3	86.3	65.2	41.6	0.0	I
	Services/Supply	70.4	70.4	1170.8	27.8	89.2	73.9	38.9	15.4	0.0
	Other Enlisted	0.5	0.5	6.5	0.0	9.0	0.7	0.0	0.0	0.0
1984		52.2	52.2	891.5	30.5	63.3	53.4	31.6	11.7	0.0
	Tactical Ops	88.2	88.2	1305.2	42.5	120.3	72.5	42.7	0.0	0.0
	Electr/Comm/Intell	51.3	51.3	815.2	27.8	56.4	53.7	36.3	0.0	0.0
	Health Care	67.4	67.5	1129.9	37.6	83.0	70.3	41.1	9.0	0.0
	Funct Supp/Admin	74.5	74.7	1328.5	35.5	103.7	87.7	36.2	16.7	0.0
	Repair/Craftsman	79.7	79.7	1466.4	57.3	101.3	53.2	32.8	71.6	1
	Services/Supply	69.2	69.3	1207.3	42.5	81.9	79.1	39.8	15.1	0.0
	Other Enlisted	4.0	4.0	12.6	6.0	0.2	9.4	1.4	0.0	0.0
1980-1984	2	53.8	53.8	928.3	31.7	62.8	55.6	32.1	11.2	9.
	Tactical Ops	72.3	72.3	1121.6	43.6	86.7	67.5	28.8	15.2	0.0
	Electr/Comm/Intell	54.6	54.6	854.5	36.5	60.5	55.6	32.9	0.0	0.0
	Health Care	78.7	78.8	1293.6	48.0	93.1	82.0	43.3	11.4	0.0
	Funct Supp/Admin	84.5	84.7	1519.9	50.3	107.7	88.0	48.9	14.2	14.9
	Repair/Craftsman	72.3	72.4	2825.3	57.9	84.5	54.9	33.1	25.1	332.7
	Services/Supply	73.7	73.7	1222.8	44.2	89.7	76.4	37.9	14.1	0.0
	Other Enlisted	0.5	0.5	10.7	0.5	0.5	0.5	6.0	0.0	0.0
1985		53.5	53.5	958.6	18.5	67.0	59.8	34.1	13.8	6.1
	Tactical Ops	83.1	63.1	1078.0	6.8	85.6	64:2	61.7	0.0	0.0
	Electr/Comm/Intell	52.0	52.0	1022.0	5.7	58.3	58.3	58.4	26.0	0.0
	Health Care	76.1	76.1	1401.0	42.2	84.3	94.6	46.9	29.1	0.0
	Funct Supp/Admin	66.4	9.99	1154.3	13.4	93.5	84.3	41.5	3.6	0.0
	Repair/Craftsman	6.09	60.9	963.2	24.6	78.2	60.5	32.5	9.9	0.0
	Services/Supply	62.9	0.99	1189.4	27.6	85.4	73.5	34.5	16.2	11.7
	Other Enlisted	T, C	ני	101	0	0	9.0	4	c	5

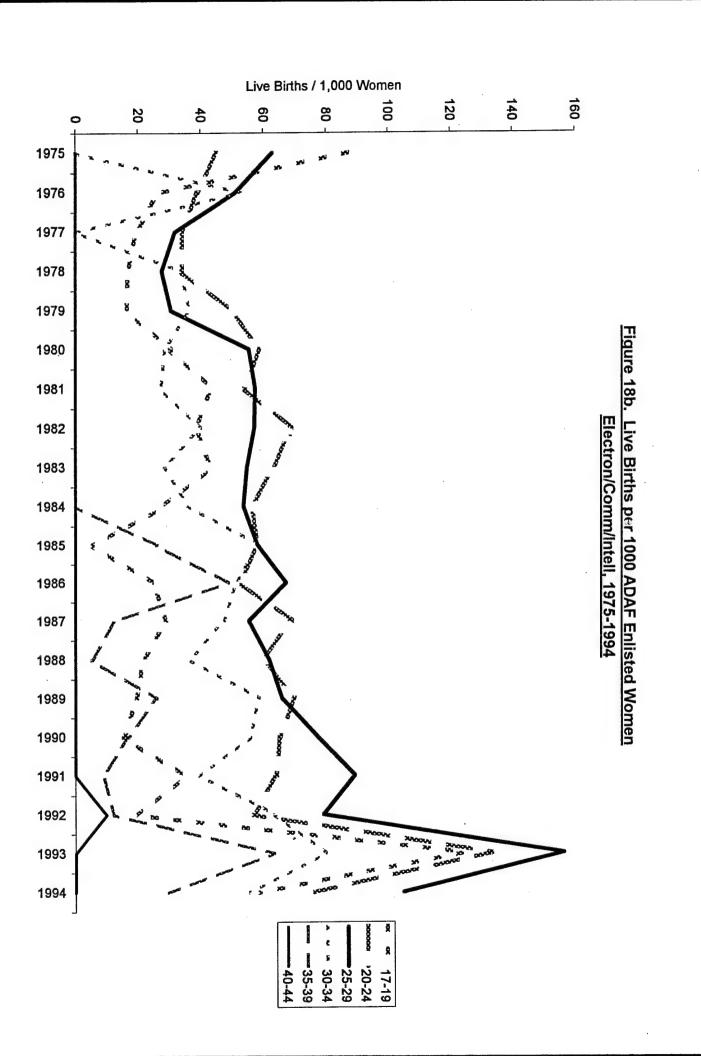
Air Force (ADAF) Enlisted Women by											
							Age Specific Births / 1000	irths / 1000			
	Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44 40-44	
		Don't remind	וומופ (וו/ דידי)	Mare	years	years) care	a land		2 inch	T
1986		51.3	51.4	933.5	19.0	62.4	63.7	32.0	13.6	3.6	
	Tactical Ops	49.6	49.5	836.0	22.0	8.09	70.8	22.3	0.0	0.0	
	Electr/Comm/Intell	53.5	53.5	1175.2	24.9	52.7	67.3	51.3	48.8	0.0	
	Health Care	66.2	66.3	1141.6	29.1	76.5	81.1	39.6	13.7	0.0	
	Funct Supp/Admin	2.79	67.9	1260.0	39.2	84.2	104.2	29.1	11.0	0.0	-
	Repair/Craftsman	54.5	54.5	942.1	23.1	68.4	62.6	30.4	13.1	0.0	
	Services/Supply	66.2	66.3	1206.3	23.6	84.8	79.8	40.2	15.1	7.3	
	Other Enlisted	5.1	1.5	29.7	0.0	1.3	2.4	2.3	0.0	0.0	
1987		55.1	55.1	997.1	20.9	69.2	67.4	36.2	11.7	2.3	
	Tactical Ops	53.7	53.7	1075.3	17.1	63.7	72.7	59.6	8.8	0.0	
	Electr/Comm/Intell	55.9	55.9	1011.2	29.1	69.1	55.5	47.5	12.7	0.0	
	Health Care	70.5	70.6	1242.9	22.7	84.5	95.0	40.4	15.1	0.0	
	Funct Supp/Admin	65.7	65.8	1325.2	55.6	85.2	98.5	33.3	14.6	0.0	
	Repair/Craftsman	51.6	51.6	949.5	26.8	61.0	58.2	39.7	15.0	0.0	
	Services/Supply	70.6	70.6	1263.8	28.2	91.9	84.1	43.2	11.9	4.9	
	Other Enlisted	9.0	9.0	10.9	0.0	1.1	0.4	2.0	0.0	0.0	
1988		52.6	52.7	978.5	24.1	67.8	63.2	34.5	12.6	3.2	
	Tactical Ops	56.5	56.6	976.2	38.9	67.9	65.2	32.4	6.4	0.0	
	Electr/Comm/Intell	51.1	51.1	884.0	21.7	59.8	62.0	36.5	5.4	0.0	
	Health Care	67.4	67.4	1324.7	21.9	87.0	76.8	49.5	16.5	22.0	
	Funct Supp/Admin	47.6	47.6	997.5	29.3	62.9	65.7	37.5	12.8	0.0	
	Repair/Craftsman	34.6	34.6	629.2	15.3	39.4	47.0	18.5	11.8	0.0	
	Services/Supply	64.6	64.6	1180.4	35.1	88.2	73.8	39.3	13.7	0.0	
	Other Enlisted	2.7	2.7	6.99	0.0	1.	0.9	5.8	0.0	0.0	
1989		55.0	55.1	1046.1	24.5	73.0	65.0	40.3	16.3	0.0	
	Tactical Ops	68.2	68.3	1310.9	41.1	6.77	77.6	59.4	22.6	0.0	
	Electr/Comm/Intell	58.9	58.9	1161.3	19.5	70.2	66.1	58.5	25.8	0.0	
	Health Care	0.69	69.1	1229.5	7.22	93.3	81.9	42.3	14.8	0.0	
	Funct Supp/Admin	20.7	50.7	1092.2	12.2	9.92	70.0	42.2	22.3	0.0	
	Repair/Craftsman	34.8	34.8	649.9	22.5	44.3	39.0	24.0	9.2	0.0	
	Services/Supply	63.5	63.6	1216.3	33.0	87.5	74.1	46.3	15.6	0.0	
	Other Enlisted	6.4	6.4	185.2	. 5.	10.6	6.7	0.0	18.9	0.0	

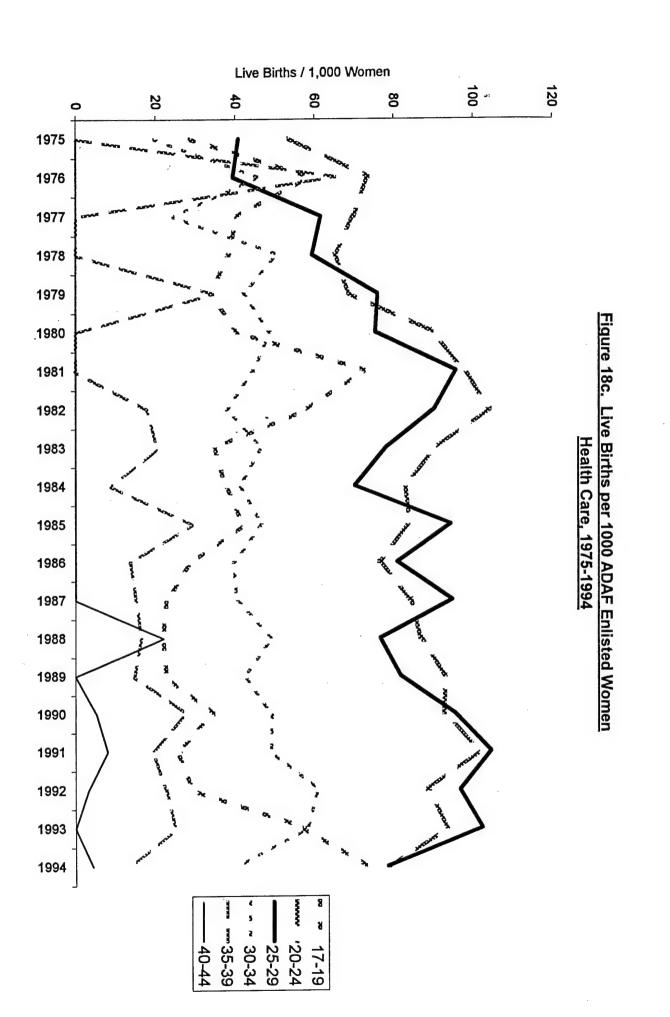
							Age Specific Births / 1000	irths / 1000		
	Year and Job Group	Total Live Births / 1,000	General Fertility Rate (17-44)	Total Fertility Rate	17-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1985-1989	686	53.5	55.1	979.1	21.3	67.8	83.8	35.6	13.8	2.0
	Tactical Ops	58,3	68,3	1068.6	25.7	70,8	70.1	46.8	10.6	0.0
	Electr/Comm/Intell	54.3	58.9	1037.6	20,6	62.1	8.19	50.1	21.2	0.0
	Health Care	69.8	69.1	1262.7	27.1	85.1	85.8	43.7	16.8	5.0
	Funct Supp/Admin	58.8	50.7	1174.6	29.7	80.8	84.4	36.9	14.9	0.0
	Repair/Craftsman	43.6	34.8	776.0	21.7	53.9	50.8	26.5	11.0	0.0
	Services/Supply	66.2	63.6	1199.5	29.2	87.5	77.0	40.9	14.4	5.6
	Other Enlisted	4.1	. 6.4	35.3	0.2	1.5	8.	1.7	6.1	0.0
1990		59.8	59.9	1160.6	27.5	80.2	78.7	40.2	13.7	2.9
	Tactical Ops	68.8	68.7	1150.3	24.3	92.1	77.1	37.2	9.1	0.0
	Electr/Comm/Intell	58.3	58.4	1124.4	15.5	65.3	4.77	56.0	16.9	0.0
	Health Care	74.8	75.0	1456.7	34.4	92.9	95.7	49.3	27.7	5.2
	Funct Supp/Admin	56.0	56.1	1329.5	51.3	82.9	81.1	57.8	13.4	0.0
	Repair/Craftsman	40.5	40.5	785.1	23.0	59.1	48.2	19.5	10.2	6.3
	Services/Supply	69.2	69.3	1357.3	40.1	97.2	91.9	43.3	11.9	3.2
	Other Enlisted	3.7	3.7	97.3	0.0	2.9	12.5	4.1	0.0	0.0
1991		57.8	58.0	1159.0	26.0	76.3	80.5	41.0	14.0	4.4
	Tactical Ops	57.2	57.3	1163.3	26.6	64.6	78.6	52.0	21.6	0.0
	Electr/Comm/Intell	59.1	59.2	1116.7	34.8	64.4	89.5	39.8	8.8	0.0
	Health Care	78.8	78.9	1490.5	25.4	101.9	104.7	49.1	19.2	8.0
	Funct Supp/Admin	49.4	49.7	1216.6	32.3	91.1	77.9	40.6	11.7	2.7
	Repair/Craftsman	41.0	41.0	825.4	24.2	54.2	59.4	25.0	6.1	3.8
	Services/Supply	64.3	64.5	1321.3	35.3	88.4	84.8	48.2	16.4	5.2
	Other Enlisted	5.7	5.7	133.5	0.0	7.9	8.4	14.0	0.0	0.0
1992		57.0	57.2	1176.1	72.7	76.1	80.3	47.3	15.2	2.7
	Tactical Ops	78.4	78.4	1461.9	42.4	96.4	85.5	71.2	13.9	0.0
	Electr/Comm/Intell	55.1	55.2	1171.9	19.9	57.0	79.4	63.7	12.3	10.0
	Health Care	72.2	72.4	1451.1	29.4	88.8	97.0	61.0	7.22	3.2
	Funct Supp/Admin	45.0	45.6	1125.9	23.5	64.9	75.4	53.3	17.5	0.0
	Repair/Craftsman	39.4	39.5	817.7	26.8	53.2	57.8	24.7	11.7	0.0
	Services/Supply	58.8	59.1	1208.0	18.1	82.8	83.0	46.8	14.2	4.0
	Other Enlisted	14.7	14.7	1035.6	0.0	16.3	131.9	58.9	0.0	00

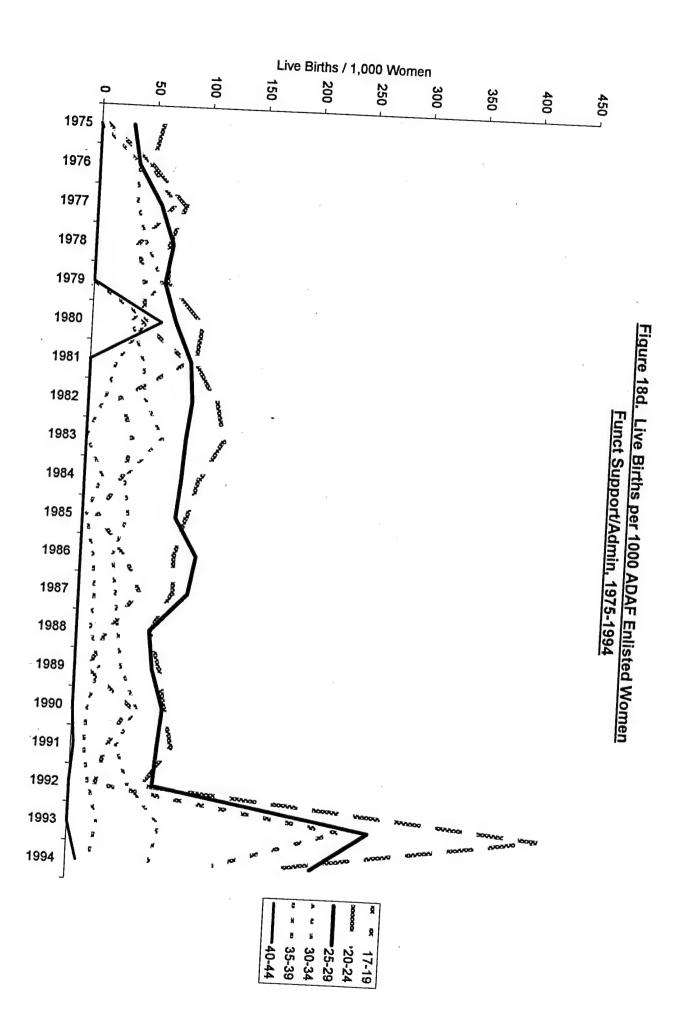
							!				Γ
Air F	Table 18. (cont'd.) Total Live Births per Air Force (ADAF) Enlisted Women b	I Live Births pa	er 1,000, General Fertility Kate, Lotal Fertility Kate, and Age-Specific Births per 1,000 Active Duty by Job Group, 1975-1994	ertility Kate, 10 175-1994	tai rertiiity	Kate, and /	Age-Specific	Births per	I,000 Active	Duty	
							Age Specific Births / 1000	lirths / 1000			
	Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44	
	Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years	
1993		54.8	55.1	1139.0	34.5	74.8	75.6	40.8	15.5	0.4	
	Tactical Ops	43.1	43.2	782.2	20.5	61.6	42.5	22.1	18.0	0.0	
	Electr/Comm/Intell	120.6	120.8	2542.6	124.5	133.5	156.8	80.2	63.4	0.0	
	Health Care	77.5	77.8	1570.8	57.5	93.8	102.6	58.3	25.0	0.0	
	Funct Supp/Admin	136.4	140.7	4767.9	243.8	425.4	272.1	83.2	26.6	0.0	
	Repair/Craftsman	37.1	37.1	792.6	32.8	48.7	51.0	27.7	11.4	0.0	
	Services/Supply	45.8	46.1	970.4	24.6	65.4	66.1	36.9	10.1	0.8	
	Other Enlisted	9.7	9.7	636.7	0.0	5.5	55.3	66.5	0.0	0.0	
1994		45.7	46.1	995.9	47.6	61.5	58.5	35.2	13.0	2.4	
	Tactical Ops	34.5	34.7	727.4	13.0	8.14	36.3	39.7	13.8	6.1	
	Electr/Comm/Intell		72.9	1514.1	59.1	76.5	105.3	55.8	29.7	0.0	
	Health Care	63.5	63.9	1304.6	73.0	7.67	78.7	40.7	13.6	4.4	
	Funct Supp/Admin	84.9	88.6	2993.3	134.8	191.4	221.4	75.2	20.5	9.3	
	Repair/Craftsman	35.1	35.2	827.3	59.6	49.5	38.8	28.5	10.5	2.5	
	Services/Supply	38.9	39.3	877.7	47.5	56.7	50.9	28.3	10.6	0.7	
	Other Enlisted	67.2	68.0	1821.3	25.0	74.9	99.5	139.9	34.9	0.0	
1990-	1990-1994	55.2	55.4	1122.8	30.1	73.9	75.0	6.04	14.3	2.4	
	Tactical Ops	53.5	53.7	1009.9	25.4	68.9	58.2	41.8	15.6	2.2	
	Electr/Comm/Intell	67.1	67.2	1348.4	34.9	72.8	93.8	26.7	22.4	3.0	
	· Health Care		73.5	1438.8	40.6	91.3	95.5	51.5	21.4	3.8	
	Funct Supp/Admin	0.09	2.09	1545.2	51.5	107.5	2.76	54.9	16.1	2.0	
	Repair/Craftsman		38.9	800.0	30.3	53.5	51.3	24.7	10.4	2.0	
	Services/Supply		55.1	1133.2	30.9	77.5	75.6	40.3	12.5	2.3	
	Other Enlisted		17.2	512.7	2.8	18.4	33.5	37.6	11.3	0.0	

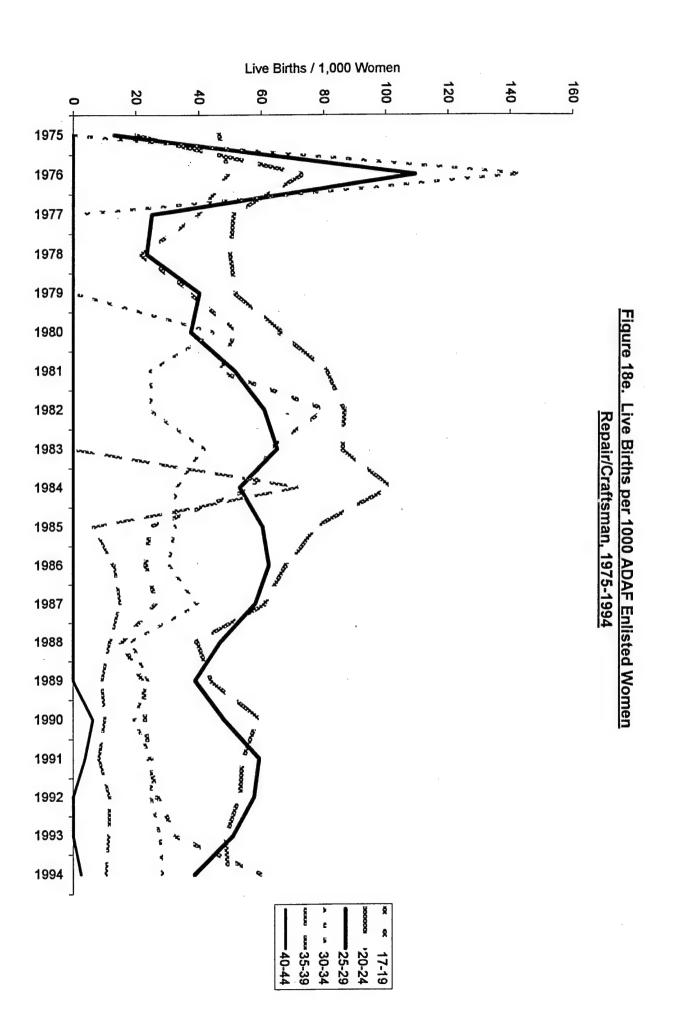
Table 18. (cont'd.) Total Live Births per 1,000, General Fertility Rate, Total Fertility Rate, and Age-Specific Births per 1,000 Active Duty Air Force (ADAF) Enlisted Women by Job Group, 1975-1994	I Live Births poisted Women	er 1,000, General Fertility Ra by Job Group, 1975-1994	ertility Rate, To 375-1994	otal Fertility	Rate, and	Age-Specific	Births per	1,000 Active	• Duty
						Age Specific Births / 1000	lirths / 1000		
Year and Job Group	Total Live Births / 1,000	General Fertility Rate (17-44)	Total Fertility Rate	17-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years
1975-1994	51.4	51.5	956.3	25.3	62.0	61.2	36.6	13.9	2.4
Tactical Ops		0.09	1074.2	30.4	74.0	64.2	41.6	14.8	2.0
Electr/Comm/Intell		54.7	1068.1	27.9	59.5	64.6	49.6	20.8	2.4
Health Care		7.17	1305.5	38.3	85.4	83.5	46.4	19.1	3.7
Funct Supp/Admin		65.3	1305.3	39.2	90.1	84.5	45.6	15.4	1.9
Repair/Craftsman	44.9	45.0	838.9	32.2	59.0	51.0	25.6	10.6	2.3
Services/Supply		64.6	1171.1	37.2	82.9	74.1	39.5	13.2	2.2
Other Enlisted		1.7	56.2	9.0	1.5	2.1	3.4	3.8	0.0

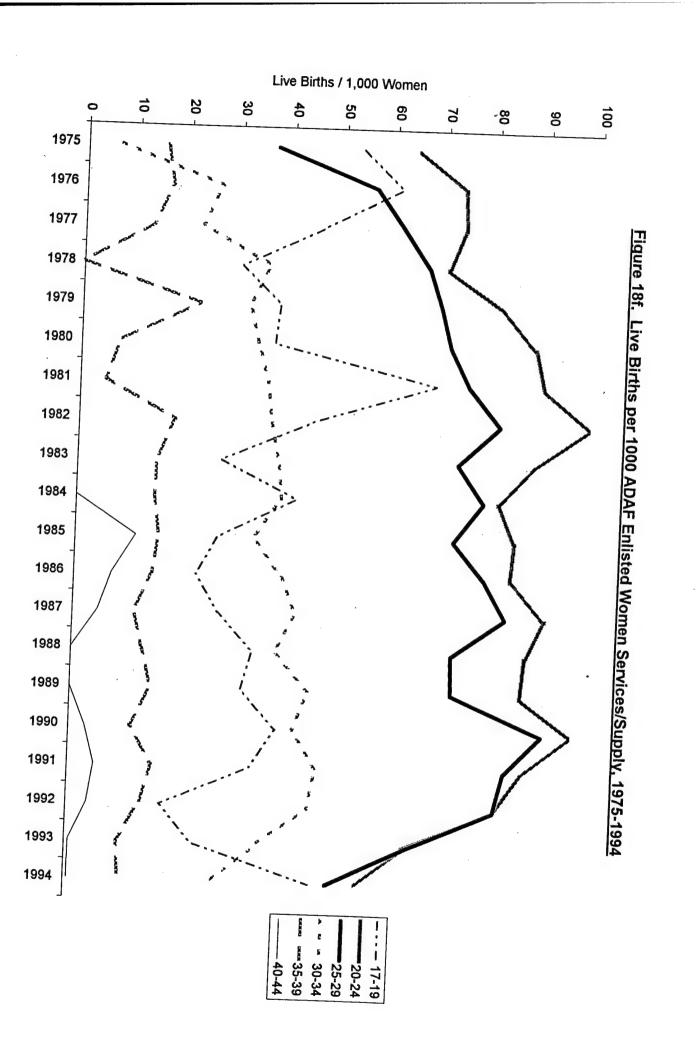












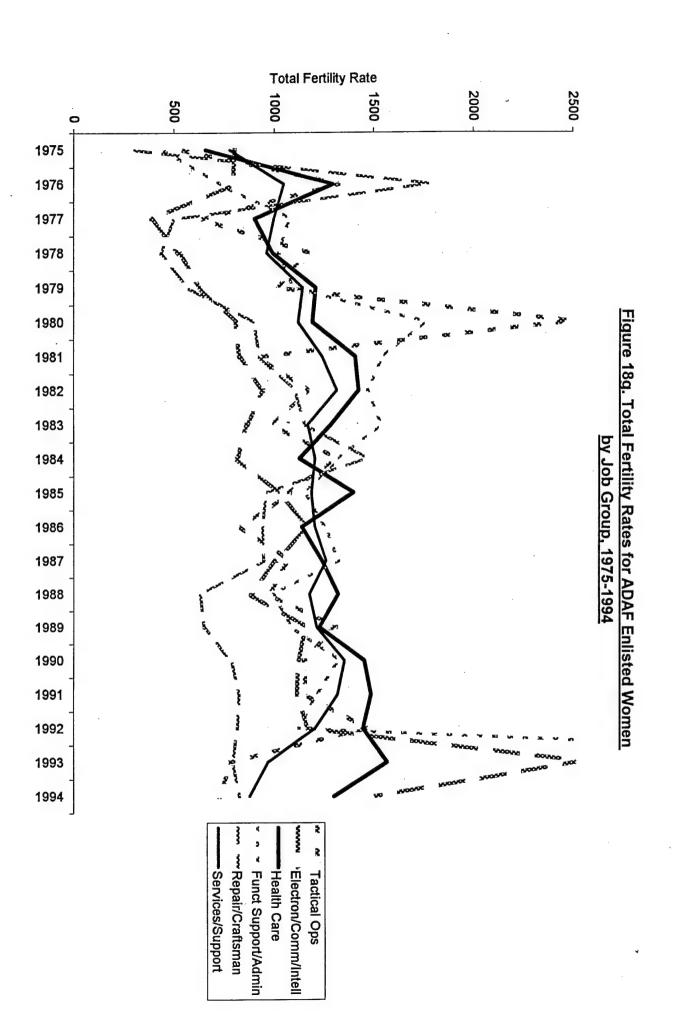


Table 19. Total Live Births per 1,000, General Fertility Rate, Total Fertility Rate and Age-Specific Births per 1,000 Active Duty Air Force '--' denotes incongruity among data prohibiting valid rate calculations; Total Fertility Rate calculated from available data

_	Voses				o data						
_	Dia land	Total Live	. 0								
107	dnos don	Births / 1,000	General Fertility	Total		Age- S	Age- Specific Births / 1.000	/1.000			
		8.0	rate (17-44)	Fertility Rate	17-19	20-24	25-29	30.37			
	l actical Ops	11.1	8.7	1602	years	years	Vears	5	35-39	40-44	Г
_	Intell/Engint/Maint	0	12.0	133.0	0.0	55		years	years	Years	
: 67	Health Care	26	5.0	105.3	0.0	10.9	12.5	12.0	3,8	3	T
_	Supply/Procrmnt	i c	10.2	2000	0.0	21.1	9.0	0.0	0.0	9 6	
	Scientist/Prof	200	9.3	406.2	0.0	ď	0.0	0.0	0	0.0	_
_	Admin/Executive	9 6	0.0	30.3	0.0	9 6	17.3	16.6	2 2	0.0	_
		0.0	0.0	0.0	0.0	9 6	12.9	6.1	1 5	0.0	_
1976		0.0	0.0	0.0	00	0.0	0.0	0.0	50.5	0.0	_
	Tactical One	19.8	213	0.0	00	0.0	0.0	0.0	0.0	1	_
	Intell/Enginr/Maint	27.4	27.4	438.1		0.0	0.0	0.0	1 8	1	
	Health Care	17.8	17.0	1944.4	9 6	. 15.9	27.3	29.4	0.0	0.0	_
	Supply/Procrmnt	20.8	23.0	284.0	9 6	ω ;	46.0	0	15.0	0.0	
	Scientist/Prof	20.6	21.2	493.4	9 6	6.8	17.0	20.0	5.4.1	0.0	_
	Admin/Executive	27.8	29.5	421.6	9 6	19.2	31.5	. Z	0.0	0.0	
	Other Officer	62.6	83.5	1675.9	9 6	19.3	19.6	28.7	13.5	0.0	
1977		4.5	46.	1667.6	9 6	0.0	0.0	335.7	16.7	0.0	
	Cariforn	23.5	2 12	48.6	9.0	0.0	333.5	7.500	0.0	0.0	
	Intelligrating of	26.8	23.1	508.3	0.	0.0	9.7	9 6	0.0	0.0	
	Tuesday Tuesday	21.8	5.9	286.7	0.0		33.7	0.0	0.0	0.0	
	Committee Care	27.0	21.9	376.5	0.0		3.5.5	37.5	14.4	36	
	Supply/Procrmnt	25.1	29.8	£44.4	0.0		5,00	0.0	0.0	0.0	
	Scientist/Prof		25.5		0.0		25.0	17.9	0.0	0.0	
	Admin/Executive	27.0	0.0	4.2.4	0.0		38.2	57.7	17.7	0.0	
	Other Officer	R: /3	32.3	0.0	0.0		43.3	16.1	: 6	2.9	
1978		0.0	0.0	1001.8	0.0		0.0	0.0	9 6	0.0	
	Tactical One	23.7	25.1	0.0	0.0		200.4	0.0	0.0	0.0	
	Intell/Enginr/Maint	9.6	9	481.4			0.0	0.0	2 6	0.0	
	Health Cara	32.9	3 2	90.0	9 6		34.6	76.4	9	0.0	
	SupplyProcram	26.4	20.0	554.3	0.0	0.0	18.0		13.7	2.5	
	Scientifica	29.7	20.02	582.5	0.0			0.03	0.0	0.0	
	Administra	17.0	30.1	541.6	0.0				0.0	-	
	COLLEGECUTIVE	40.7	17.3	142.7	0.0				15.5	000	
	Other Officer	0.60	45.5	1664 7					11.8	2 6	
			3.0	35.9	0.0	0.0	20.5 332 q	0.0	0.0	0.0	
									0.0	0.0	
	•								0.0	0.0	

						Age-Specific	Age-Specific Births / 1,000		
Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	404
Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years
1979	49.8	25.9	518.4	0.0	9.6	35.2	39.6	16.8	2.5
Tactical Ops	25.8	12.9	205.0	0.0	8.7	15.3	17.0	0.0	0.0
Intel/Enginr/Maint	39.3	19.7	332.8	0.0	8.2	28.3	30.1	0.0	0.0
Health Care	67.4	36.3	711.6	0.0	13.7	48.7	60.7	19.2	0.0
Supply/Procrmnt	51.0	25.7	664.7	0.0	13.9	35.7	24.8	18.4	40.1
Scientist/Prof	99.3	51.8	471.0	0.0	0.0	94.2	0.0	0.0	0.0
Admin/Executive	38.1	19.6	709.2	0.0	0.0	41.6	100.2	0.0	0.0
Other Officer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975-1979	27.1	21.9	435.1	0.0	12.7	29.7	30.3	12.9	5
Tactical Ops	20.7	16.3	476.6	0.0	9.6	22.6	7.6	55.5	0.0
Intell/Enginr/Maint	28.0	21.0	336.7	0.0	14.4	23.7	29.3	0.0	0.0
Health Care	30.6	25.9	535.1	0.0	14.4	36.4	41.6	13.5	7.
Supply/Procrmnt	31.9	23.8	464.9	0.0	20.9	31.1	20.0	13.5	7.5
Scientist/Prof	44.2	26.9	311.9	0.0	0.0	40.5	21.8	0.0	0.0
Admin/Executive	37.2	33.1	757.0	0.0	0.0	125.0	26.5	0.0	0.0
Other Officer	1.3	1.3	14.8	0.0	0.0	3.0	0.0	0.0	0.0
1980	28.2	29.4	6.6.8	0.0	23.4	36.5	26.8	27.3	9.4
Tactical Ops	17.5	17.5	273.6	0.0	13.2	19.4	22.2	0.0	0.0
intell/Enginr/Maint	33.1	33.2	751.1	0.0	16.6	36.7	52.9	44.0	0.0
Health Care	35.2	38.2	768.5	0.0	24.4	55.5	33.2	29.7	10.9
Supply/Procrmnt	32.6	32.8	634.0	0.0	50.4	33.5	20.4	22.5	0.0
Scientist/Prof	14.5	14.5	222.5	0.0	0.0	16.0	28.5	0.0	0.0
Admin/Executive	31.8	33.0	1625.2	0.0	23.4	0.0	133.1	168.5	0.0
Other Officer	1.8	1.8	21.6	0.0	0.0	4.3	0.0	0.0	0.0
1981	35.5	36.8	695.5	0.0	28.9	43.2	44.2	22.8	0.0
Tactical Ops	24.8	24.8	431.4	0.0	29.1	20.3	36.9	0.0	0.0
Intell/Enginr/Maint	31.1	31.2	700.5	0.0	25.7	33.2	29.8	51.3	0.0
Health Care	45.6	49.3	962.0	0.0	37.1	65.4	60.4	29.5	0.0
Supply/Procrmnt	41.6	41.9	723.0	0.0	44.6	50.1	38.6	11.3	0.0
Scientist/Prof	35.7	35.7	598.4	0.0	20.1	35.6	64.0	0.0	0.0
Admin/Executive	46.4	48.2	1204.8	0.0	40.6	33.2	167.1	0.0	0.0
Other Officer		c	•	c	0	0	0	0	c

					Age-St	Age-Specific Births / 1,000	1,000		
Year and	Total Live	General Fertility	Total	17-19	20-24	25-29	30.23	35 30	77.07
dnose age	Births / 1,000	Rate (17-44)	Fertility Rate	years	years	years	Vears	Vears	Veare
1982	39.7	41.1	766.8	00	27.6	50.4	277	your	years
Tactical Ops	33.4	33.5	0.005	9 6	27.0	52.4	8.4	26.3	2.7
intel/Enginr/Maint	50.2	50.2	0.00	0.0	28.4	38.4	33.2	0.0	0.0
Health Care	47.3	50.5	5.500	0.0	34.0	65.8	45.5	16.6	0.0
Supply/Procrmnt	46.0	90°3	1.6/8	0.0	23.7	68.1	66.1	34.3	2.8
Scientist/Prof	28.4	28.4	990.6	0.0	62.5	56.5	36.3	22.7	0.0
Admin/Executive	58.2	£.02	466.6	0.0	16.2	45.4	31.8	0.0	0.0
Other Officer	80	8. e	7.527	0.0	38.6	2.06	95.3	0.0	0.0
1983	0 0	0 6	46.4	0.0	0.0	0.0	0.0	9.7	0.0
Tactical One	0.07	7.67	559.8	0.0	22.3	37.2	33.6	14.6	4.1
Intell/Enginr/Maint	483	7.87	486.2	0.0	38.2	21.7	37.3	0.0	00
Health Care	45.3	4.0	763.0	0.0	33.5	68.0	39.1	12.0	0.0
Supply/Procrmnt	50	7.01	923.3	0.0	28.1	8.79	59.6	23.8	5.4
Scientist/Prof	8 8 8	8.0°	44.6	0.0	8.9	0.0	0.0	0.0	0.0
Admin/Executive	49.1	5.53	608.5	0.0	14.8	28.9	77.8	40.2	0.0
Other Officer	4.	4.4	1213./	0.0	38.0	56.5	64.4	83.8	0.0
1984	37.3	- 6	10.1	0.0	0.0	3.6	0.0	0.0	0.0
Tactical Ops	34.7	34.7	729.7	0.0	20.3	49.5	46.6	23.4	6.1
Intell/Enginr/Maint	48.0	. AB. 2	943.U	0.0	41.9	34.0	33.8	18.9	0.0
Health Care	47.1	7.07	070.7	0.0	20.0	9.09	56.3	25.4	0.0
Supply/Procrmnt		30.2	0,07h	0.0	18.0	64.3	67.1	40.1	5.7
Scientist/Prof	45.3	45.5	0.247	0.0	48.7	9.09	33.6	5.7	0.0
Admin/Executive	35.7	37.0	1,000	0.0	20.3	61.3	47.4	26.3	0.0
Other Officer	0.0	? 6	1,00.1	0.0	0.0	46.0	110.5	0.0	83.5
1980-1984	7	5 4	9	0.0	0.0	0.0	0.0	0.0	0.0
Tactical Ops	286	2,00	6/5.1	0.0	24.4	0.44	39.9	22.4	4.4
Intell/Engint/Maint	42.8	42.0	492.6	0.0	30.4	27.1	33.9	7.2	0.0
Health Care	443	42.3	752.5	0.0	25.9	54.8	45.1	24.7	0.0
Supply/Procrmnt	000	97.0	927.4	0.0	25.9	64.3	58.6	31.7	2.0
Scientist/Prof	5 4 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	32.0	600.8	0.0	44.5	40.1	25.3	10.2	0.0
Admin/Executive	44.5	35,5	639.9	0.0	15.4	40.6	52.2	19.8	0.0
Other Officer	2 0	5.0	1268.7	0.0	28.2	50.9	107.2	38.8	200
100 CHICA							1	Š	

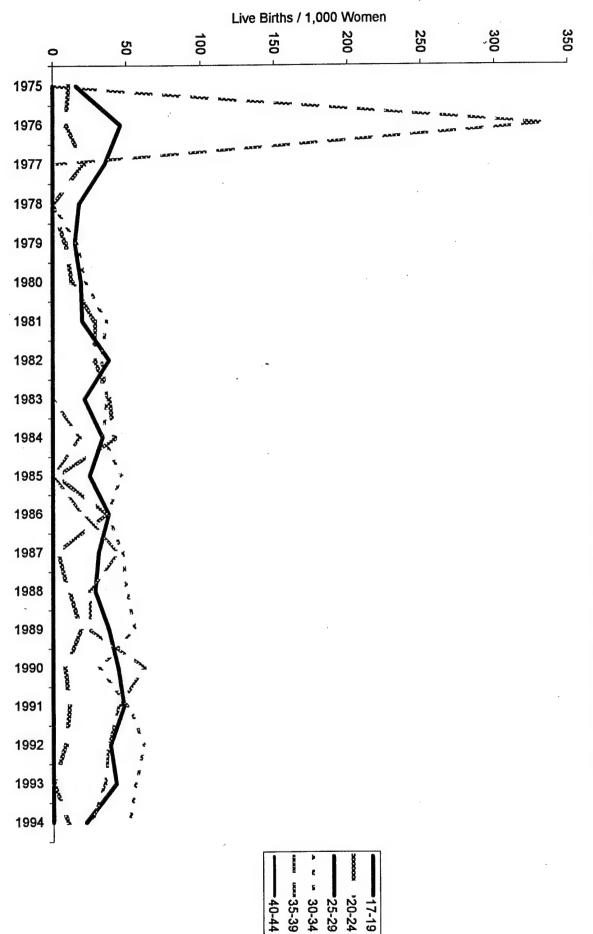
						Age-Specific	Age-Specific Births /1,000			
	Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44
	Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years
1985		39.0	40.1	769.7	0.0	15.3	47.5	55.5	32.0	3.6
	Tactical Ops	24.5	24.5	380.2	0.0	1.4	25.2	46.8	0.0	0.0
_	Intell/Enginr/Maint	32.7	32.8	634.4	0.0	17.5	39.2	44.2	26.0	0.0
	Health Care	48.1	50.9	979.9	0.0	15.8	63.2	6.69	44.4	2.7
	Supply/Procrmnt	43.5	43.7	853.1	0.0	29.0	56.9	52.4	21.7	10.6
	Scientist/Prof	45.0	45.3	842.4	0.0	21.2	54.0	48.7	44.5	0.0
	Admin/Executive	38.6	39.8	1067.6	0.0	0.0	29.7	65.7	91.1	0.0
	Other Officer	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986		39.5	40.6	738.6	0.0	19.8	52.1	51.4	27.4	3.1
	Tactical Ops	35.5	35.6	656.0	0.0	35.2	38.1	37.0	20.9	0.0
	Intell/Enginr/Maint	30.9	31.0	5.99.8	0.0	21.6	34.2	40.9	23.3	0.0
	Health Care	44.7	47.4	901.0	0.0	21.1	65.6	59.7	28.6	5.2
	Supply/Procrmnt	39.5	39.8	727.8	0.0	9.0	60.4	46.7	29.5	0.0
	Scientist/Prof	29.7	29.8	637.4	0.0	23.2	25.3	37.6	4.14	0.0
	Admin/Executive	41.2	42.5	828.5	0.0	9.3	77.0	50.2	29.2	0.0
	Other Officer	42.4	43.3	749.4	0.0	9.6	48.4	78.2	13.6	0.0
1987		42.3	43.5	826.8	0.0	14.8	58.9	52.7	31.2	7.8
	Tactical Ops	30.1	30.1	634.2	0.0	3.4	31.2	47.2	45.0	0.0
	Intell/Enginr/Maint	30.8	31.0	557.2	0.0	22.7	40.4	35.0	13.4	0.0
	Health Care	52.9	55.7	1070.8	0.0	16.1	78.2	67.1	40.8	11.9
	Supply/Procrmnt	36.2	36.7	9'00'	0.0	11.5	63.0	44.2	15.2	6.2
	Scientist/Prof	50.9	21.0	302.0	0.0	0.0	27.6	32.8	0.0	0.0
	Admin/Executive	57.3	59.6	1277.7	0.0	14.5	72.4	93.8	74.8	0.0
	Other Officer	26.0	57.2	1155.6	0.0	28.2	84.2	41.0	7.77	0.0
1988		39.8	41.0	785.0	0.0	14.0	8.03	57.8	27.5	7.0
	Tactical Ops	29.7	29.9	573.2	0.0	10.7	28.9	50.1	25.0	0.0
	Intell/Enginr/Maint	31.0	31.2	541.6	0.0	8.6	42.5	40,3	16.9	0.0
	Health Care	47.8	50.8	981.3	0.0	14.8	61.1	75.6	33.1	11.7
	Supply/Procrmnt	34.7	35.1	0.769	0.0	16.9	59.6	43.2	19.8	0.0
	Scientist/Prof	17.2	17.3	346.5	0.0	0.0	6.5	32.0	30.7	0.0
	Admin/Executive	43.5	46.1	862.4	0.0	49.9	54.3	68.3	0.0	0.0
	Other Officer	63.1	63.6	1336.8	C	14.4	87.6	57.8	749	306

Tacker Total Live Total Live Total Fertility Total Ferti	Table 19. (confc (ADAF) Women ('' denotes incon	Table 19. (cont'd) Total Live Births per 1,000, General Ferti (ADAF) Women Officers, by Job Group, 1975-1994 '' denotes incongruity among data prohibiting valid rate calcu	oup, 1975-1994 prohibiting valid rate cal	ADAP Formen Cincers, by 500 Group, 1510-1554 —' denotes incongruity among data prohibiting valid rate calculations; Total Fertility Rate calculated from available data	e calculated from available	data					
Tactical Opes Total Live Caeveral Fertility Total Fertilit							Age-Specific	Births /1,000			
Lob Group Bliffis I (1,000) Rale (17.44) Rate years		Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44
Tactical Ops 36.1 43.7 882.4 0.0 17.7 57.8 IntellEnginnMaint 37.4 43.7 58.4 665.1 0.0 17.7 57.8 IntellEnginnMaint 37.4 37.5 38.4 665.1 0.0 13.1 64.8 58.4 58.5 5		Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years
Tactical Ops 36.2 36.4 695.1 0.0 18.6 38.0 Inell/Englin/Maint 37.4 37.6 17.4 0.0 16.8 57.8 Health Care 44.1 47.5 96.8 0.0 0.0 56.3 Sclipply/Procrimit 34.6 35.3 66.8 0.0 0.0 56.3 Admin/Executive 59.7 40.8 780.4 0.0 57.8 65.8 Admin/Executive 81.5 81.8 149.4 0.0 78.2 81.1 64.3 Admin/Executive 81.5 81.8 81.0 0.0 78.2 81.1 64.5 Admin/Executive 37.7 38.1 775.2 0.0 14.3 81.1 Sclentist/Prof 47.5 30.4 37.5 30.4 31.7 42.6 Admin/Executive 48.5 30.6 47.5 0.0 17.4 42.4 Admin/Executive 45.0 46.7 38.7 38.7 47.2 47.2<	1989		42.1	43.7	882.4	0.0	17.7	57.9	55.4	33.3	12.1
replication waith states of the sta	1	actical Ops	36.2	36.4	695.1	0.0	19.6	38.0	55.8	25.6	0.0
Health Care 441 475 9468 0.0 131 648 SupplyProcurnit 346 35,3 96958 0.0 0.0 56.3 SclentistProcurnit 402 402 403 700 0.0 65.3 Admin/Executive 597 62.3 14076 0.0 776 65.3 Admin/Executive 40.6 41.8 81.0 0.0 776.2 63.2 Tactical Ops 31.4 31.5 600.7 0.0 14.3 32.4 Tactical Ops 31.4 31.5 600.7 0.0 14.3 32.4 Health Care 47.5 50.4 97.2 0.0 17.3 42.8 Admin/Executive 45.5 50.4 97.2 0.0 17.4 43.1 Admin/Executive 46.9 47.6 1025.0 0.0 17.4 44.3 Admin/Executive 46.9 47.6 97.2 97.2 44.3 Admin/Executive 46.8	Intell/Er	nginr/Maint	37.4	37.6	714.1	0.0	16.8	57.8	41.8	13.0	13.4
Supply/Procrimet 346 35.3 665.8 0.0 0.0 56.3 Scheintist/Prof 40.2 40.8 780.4 0.0 0.0 56.8 Schmit/swecutive 81.6 61.8 170.4 0.0 776.2 81.3 Other Officer 81.6 61.8 181.0 0.0 776.2 81.1 Admin/Executive 32.6 41.8 811.0 0.0 16.4 53.5 Supply/Procrimit 32.6 32.6 61.6 0.0 17.3 42.6 Supply/Procrimit 37.7 38.1 73.5 0.0 17.3 42.6 Admin/Executive 48.5 50.5 1075.0 0.0 17.4 42.6 Admin/Executive 48.5 47.6 1075.0 0.0 17.4 42.1 Admin/Executive 48.5 47.6 1075.0 0.0 17.4 44.0 Admin/Executive 48.5 47.6 1075.0 0.0 12.8 47.0	1	lealth Care	44.1	47.5	946.8	0.0	13.1	64.8	59.3	38.2	14.0
Scientist/Prof 40.2 40.8 780.4 0.0 0.0 45.9 Admin/Excentive 59.7 62.3 1407.6 0.0 0.0 57.6 63.2 Other Officer 81.5 61.8 11964.3 0.0 16.3 81.1 Other Officer 40.6 41.8 811.0 0.0 16.3 81.1 Intell/Engint/Maint 32.6 32.8 600.7 0.0 14.3 32.4 Supply/Procernut 37.7 38.1 735.2 0.0 14.3 32.4 Admin/Excentive 45.5 50.5 1075.0 0.0 13.7 59.2 Scientist/Prof 30.4 30.6 50.78 0.0 13.7 59.2 Admin/Excentive 46.5 47.5 38.1 73.2 0.0 13.7 59.2 Admin/Excentive 46.5 47.5 36.4 47.2 0.0 17.4 47.3 Admin/Excentive 46.5 46.7 924.2 0.0 <	Supply	y/Procrmnt	34.6	35.3	695.8	0.0	0.0	56.3	50.5	24.4	7.9
Admin/Executive 59.7 62.3 1407.6 0.0 57.6 63.2 Admin/Executive 61.6 61.8 156.4 62.3 1407.6 0.0 77.5 63.2 Other Officer 61.6 41.8 811.0 0.0 78.2 61.1 Tactical Ops 31.4 32.8 60.7 0.0 17.3 42.6 Health Care 47.5 30.4 30.8 64.6 0.0 17.3 42.6 Supply/Procurnt 30.4 30.6 50.5 0.0 13.7 50.2 Admin/Executive 45.5 30.6 50.5 0.0 13.7 50.2 Admin/Executive 46.5 40.5 50.5 0.0 13.7 50.2 Admin/Executive 46.5 40.5 50.5 0.0 13.7 50.2 Admin/Executive 46.6 47.0 92.4 0.0 17.4 40.1 Admin/Executive 46.6 47.0 92.4 0.0 17.4	S	ientist/Prof	40.2	40,8	780.4	0.0	0.0	45.9	44.2	0.99	0.0
Other Officer 81.6 81.8 1964.3 0.0 78.2 81.1 Other Officer 40.6 41.8 81.0 0.0 16.4 53.5 Tactical Ops 31.4 31.5 60.07 0.0 14.3 32.4 IntellEnginn/Maint 32.6 32.8 61.6 0.0 17.9 42.6 Supply/Procrimit 37.7 38.1 735.2 0.0 16.3 42.6 Admin/Executive 48.5 30.4 30.8 37.7 38.1 35.2 42.6 Admin/Executive 48.5 50.4 1075.0 0.0 13.7 42.6 Admin/Executive 48.5 47.6 1075.0 0.0 23.5 57.3 Admin/Executive 46.9 47.6 1075.0 0.0 17.4 64.0 Admin/Executive 45.0 47.2 47.8 47.2 44.3 44.3 Supply/Procrimit 46.9 47.2 47.8 47.2 47.2 44.3	Admir	/Executive	59.7	62.3	1407.6	0.0	57.6	63.2	93.8	6.99	0.0
Tactical Ops 41.8 811.0 0.0 16.4 53.5 Tactical Ops 13.4 31.5 600.7 0.0 14.3 32.4 Intell/Englin/Maint 47.5 32.8 610.7 0.0 17.9 42.6 Supply/Procrimit 37.7 38.1 735.2 0.0 17.3 42.6 Supply/Procrimit 37.7 38.1 735.2 0.0 17.3 42.6 Admin/Executive 46.5 50.4 38.1 735.2 0.0 13.7 59.2 Admin/Executive 46.5 50.5 1075.0 0.0 13.7 59.2 Admin/Executive 46.9 47.6 1025.0 0.0 17.4 64.0 Admin/Executive 46.9 88.1 0.0 17.4 64.0 64.1 Supply/Procrimit 46.9 87.7 924.2 0.0 17.4 47.2 Supply/Procrimit 46.9 47.6 981.1 0.0 12.4 47.2	δ	ther Officer	81.6	81.8	1964.3	0.0	78.2	81.1	82.8	97.9	52.8
Tactical Ops 31.4 31.5 600.7 0.0 14.3 32.4 IntellEnginnMaint 32.6 32.8 66.7 0.0 17.9 42.6 SupplyProcernut 37.7 38.1 735.2 0.0 17.9 42.6 SupplyProcernut 37.7 38.1 735.2 0.0 17.9 42.6 Admin/Executive 48.5 50.5 1075.0 0.0 17.7 59.2 Admin/Executive 48.5 50.5 1075.0 0.0 31.7 59.2 Admin/Executive 48.5 50.5 1075.0 0.0 17.4 64.7 Health Care 36.1 46.7 88.1 0.0 17.4 64.0 SupplyProcernut 46.6 46.9 88.1 0.0 17.4 64.0 Admin/Executive 45.0 47.2 87.9 0.0 14.4 172.5 Admin/Executive 47.0 48.9 67.9 0.0 14.4 172.5 Admi	1985-1989		40.6	41.8	811.0	0.0	16.4	53.5	54.6	30.4	7.4
IntellifenglinnMaint 32.6 32.8 614.6 0.0 17.9 42.6 Health Care 47.5 50.4 9178.2 0.0 16.3 66.7 SupplyProcerrunt 30.7 30.8 56.7 0.0 16.3 66.7 SupplyProcerrunt 30.4 30.6 1075.0 0.0 34.7 31.7 59.2 SupplyProcerrunt 46.9 46.5 50.5 1075.0 0.0 21.8 64.7 Admin/Executive 46.9 46.7 30.4 1025.0 0.0 21.8 64.7 IntellifenglinnMaint 46.6 46.9 46.9 46.9 46.9 IntellifenglinnMaint 46.8 47.5 46.9 47.5 Admin/Executive 45.0 47.5 47.5 47.5 48.1 IntellifenglinnMaint 46.8 47.5 47.5 47.5 IntellifenglinnMaint 46.8 47.5 47.5 IntellifenglinnMaint 46.8 47.5 47.5 IntellifenglinnMaint 46.8 47.5 47.5 IntellifenglinnMaint 46.8 47.5 47.5 SupplyProcerrunt 35.0 36.7 47.5 IntellifenglinnMaint 46.8 47.5 47.5 SupplyProcerrunt 36.7 47.5 47.5 IntellifenglinnMaint 46.8 47.5 47.5 SupplyProcerrunt 36.7 47.5 47.5 SupplyProcerrunt 36.7 47.5 47.5 SupplyProcerrunt 46.8 47.5 47.5 SupplyProcerrunt 36.7 47.5 SupplyProcerrunt 36.8 47.5 47.5 SupplyProcerrunt 36.8 47.5 SupplyProcerrunt 36.8 47.5 47.5 SupplyProcerrunt 36.8 47.5 SupplyProcerr	<u> </u>	actical Ops	31.4	31.5	600.7	0.0	14.3	32.4	47.6	25.8	0.0
Health Care 47.5 50.4 978.2 0.0 16.3 66.7 SupplyProcemut 37.7 38.1 755.2 0.0 13.7 59.2 Admin/Executive 46.9 30.4 30.6 56.7 0.0 21.8 64.7 Admin/Executive 46.9 47.6 1025.0 0.0 21.8 64.7 Admin/Executive 46.9 47.6 1025.0 0.0 21.8 64.7 Intel/Engin/Maint 46.6 46.7 924.2 0.0 17.4 64.0 Halth/Engin/Maint 46.6 46.7 924.2 0.0 17.4 64.0 Supply/Procemut 46.6 46.9 46.9 98.1 0.0 24.8 64.0 Supply/Procemut 40.3 46.9 91.8 0.0 15.8 47.0 Admin/Executive 35.1 38.7 567.9 0.0 14.4 172.5 Admin/Executive 37.4 48.9 148.9 0.0 0.0 <t< th=""><th>Intell/E</th><td>nginr/Maint</td><td>32.6</td><td>32.8</td><td>614.6</td><td>0.0</td><td>17.9</td><td>42.6</td><td>40.3</td><td>17.7</td><td>4.4</td></t<>	Intell/E	nginr/Maint	32.6	32.8	614.6	0.0	17.9	42.6	40.3	17.7	4.4
Supply/Procrimit 37.7 38.1 735.2 0.0 13.7 59.2 Sclentist/Prof 30.4 30.6 50.5 1075.0 0.0 9.4 31.7 59.2 Admin/Executive 48.5 50.5 1075.0 0.0 21.8 64.7 50.2 1075.0 0.0 21.8 64.7 31.7 50.2 57.3 64.7 50.2 20.0 21.8 64.7 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64.9	_	lealth Care	47.5	50.4	978.2	0.0	16.3	66.7	66.3	36.8	9.5
ScientistProf 30.4 30.6 587.8 0.0 9.4 31.7 AdminExecutive 48.5 50.5 1075.0 0.0 21.8 64.7 Other Officer 46.9 47.6 1025.0 0.0 21.8 64.7 Tactical Ops 36.1 36.4 729.2 0.0 17.4 64.0 Tactical Ops 36.1 46.7 46.7 924.2 0.0 17.4 64.0 Health Care 45.0 47.8 972.7 0.0 24.8 57.7 Supply/Procmmt 40.3 41.2 881.8 0.0 18.3 76.4 Admin/Executive 35.1 36.7 567.9 0.0 24.8 55.7 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Admin/Executive 37.4 38.7 184.9 0.0 14.4 172.5 Admin/Executive 37.4 48.9 991.1 0.0 20.3 36.1	Suppl	y/Procrmnt	37.7	38.1	735.2	0.0	13.7	59.2	47.3	22.0	8.4
Admin/Executive 48.5 50.5 1075.0 0.0 21.8 64.7 Other Officer 46.9 47.6 1025.0 0.0 23.5 57.3 Other Officer 46.9 47.6 1025.0 0.0 23.5 57.3 IntellErginn/Maint 46.6 46.9 888.1 0.0 17.4 64.0 SupplyFrocmut 40.3 47.8 97.7 0.0 18.3 76.4 SupplyFrocmut 40.3 47.8 97.7 0.0 18.8 55.7 Admin/Executive 35.1 38.7 814.9 0.0 15.8 64.8 Admin/Executive 37.4 38.7 814.9 0.0 14.4 172.5 IntellErginn/Maint 46.8 107.2 1946.0 0.0 14.4 172.5 Health Care 45.9 49.2 177.8 0.0 14.4 172.5 SupplyFrocmut 45.9 49.2 1766.2 0.0 17.3 48.1	Š	lentist/Prof	30.4	30.6	587.8	0.0	9.4	31.7	38.5	37.9	0.0
Other Officer 46.9 47.6 1025.0 0.0 23.5 57.3 Tactical Ops 36.1 36.4 729.3 0.0 17.4 64.0 Intell/Englin/Maint 46.6 46.9 888.1 0.0 17.4 64.0 SupplyFrocmint 45.0 47.8 972.7 0.0 18.3 76.4 SupplyFrocmint 40.3 41.2 891.8 0.0 16.8 55.7 Schenkfs/Prof 35.1 35.7 567.8 64.8 55.7 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Admin/Executive 106.8 107.2 1946.0 0.0 14.4 172.5 Admin/Executive 46.8 47.5 889.0 0.0 14.4 172.5 Intell/Englin/Maint 46.8 47.5 889.0 0.0 11.3 48.1 Health Care 45.9 36.9 11.086.2 0.0 11.3 48.1 Scientiff-Explin	Admir	v/Executive	48.5	50.5	1075.0	0.0	21.8	64.7	76.5	52.0	0.0
Tactical Ops 45.2 46.7 924.2 0.0 17.4 64.0 Tactical Ops 36.1 36.4 729.3 0.0 17.4 64.0 Intell/Enginr/Maint 46.6 46.9 888.1 0.0 18.3 76.4 Health Care 45.0 47.8 972.7 0.0 18.3 76.4 SupplyProcmint 40.3 41.2 891.8 0.0 15.8 64.8 Scientist/Prof 35.1 35.7 567.9 0.0 15.8 64.8 Admin/Executive 106.8 107.2 1946.0 0.0 17.5 48.1 Admin/Executive 45.9 48.9 991.1 0.0 10.3 39.3 76.3 Scientist/Prof 45.9 48.5 48.5 619.0 0.0 12.8 59.1 Admin/Executive 35.0 36.9 619.0 0.0 0.0 57.7 Admin/Executive 34.6 35.9 739.2 0.0 0.0 66.7	0	ther Officer	46.9	47.6	1025.0	0.0	23.5	57.3	51.4	52.1	20.7
Tactical Ops 36.4 729.3 0.0 82 44.3 Intell/Englinr/Maint 46.6 46.9 888.1 0.0 18.3 76.4 Haalth Care 45.0 47.8 972.7 0.0 24.8 55.7 Supply/Procmmt 40.3 41.2 891.8 0.0 15.8 64.8 Scientist/Prof 35.1 35.7 567.9 0.0 15.8 64.8 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Admin/Executive 106.8 107.2 1946.0 0.0 14.4 172.5 Admin/Executive 47.0 48.9 991.1 0.0 11.3 48.1 Intell/Englinr/Maint 46.8 47.5 838.0 0.0 10.0 79.6 Health Care 45.9 49.2 1796.2 0.0 0.0 79.8 Scientist/Prof 35.0 36.9 619.0 0.0 0.0 0.0 57.7 Adm	1990		45.2	46.7	924.2	0.0	17.4	64.0	63.3	35.4	4.7
Intell/Englinr/Maint 46.6 46.9 488.1 0.0 18.3 76.4 Hoalth Care 45.0 47.8 972.7 0.0 24.8 55.7 Supply/Procmnt 40.3 41.2 891.8 0.0 15.8 64.8 Scientist/Prof 35.1 35.7 567.9 0.0 15.8 64.8 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Other Officer 106.8 107.2 1946.0 0.0 14.4 172.5 Admin/Executive 45.9 48.9 991.1 0.0 14.4 172.5 Tactical Ops 39.3 39.7 777.8 0.0 11.3 48.1 Health Care 45.9 47.5 838.0 0.0 0.0 79.6 Health Care 45.9 49.2 11046.2 0.0 39.9 76.3 Scientist/Prof 36.2 36.9 619.0 0.0 0.0 57.7 Admin/Exe		actical Ops	36.1	36.4	729.3	0.0	8.2	44.3	31.4	62.0	0.0
Health Care 45.0 47.8 972.7 0.0 24.8 55.7 SupplyProcmnt 40.3 41.2 891.8 0.0 15.8 64.8 Scientist/Prof 35.1 35.7 567.9 0.0 15.8 64.8 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Other Officer 106.8 107.2 1946.0 0.0 14.4 172.5 Admin/Executive 39.3 39.7 777.8 0.0 14.4 172.5 Intell/Englinr/Maint 46.8 47.5 838.0 0.0 20.3 73.6 Health Care 45.9 47.5 838.0 0.0 0.0 79.6 Health Care 45.9 49.2 1109.6 0.0 39.9 76.3 Supply/Procmnt 35.0 36.9 619.0 0.0 0.0 59.1 Scientist/Prof 36.2 36.9 619.0 0.0 0.0 57.7 Admin/Exec	Intell/E	nginr/Maint	46.6	46.9	888.1	0.0	18.3	76.4	46.9	25.0	11.0
SupplyProcmnt 40.3 41.2 891.8 0.0 15.8 64.8 Scientist/Prof 35.1 35.7 567.9 0.0 0.0 72.5 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Other Officer 106.8 107.2 1946.0 0.0 16.9 47.0 Admin/Executive 39.3 39.7 777.8 0.0 14.4 172.5 Intell/Enginr/Maint 46.8 47.5 838.0 0.0 11.3 48.1 Health Care 45.9 47.5 838.0 0.0 0.0 79.6 Health Care 45.9 49.2 11/96.2 0.0 39.9 76.3 Supply/Procmmt 35.0 35.9 810.6 0.0 12.8 59.1 Admin/Executive 34.6 35.9 739.2 0.0 30.8 86.7 Admin/Executive 46.9 35.9 737.3.9 0.0 94.3 207.6	_	lealth Care	45.0	47.8	972.7	0.0	24.8	55.7	73.9	36.8	3.3
Scientist/Prof 35.1 35.7 567.9 0.0 72.5 Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Other Officer 106.8 107.2 1946.0 0.0 16.9 47.0 Admin/Executive 39.3 39.7 777.8 0.0 14.4 172.5 Intell/Enginr/Maint 46.8 47.5 838.0 0.0 20.3 73.6 Health Care 45.9 47.5 838.0 0.0 0.0 79.6 Health Care 45.9 49.2 11/26.2 0.0 39.9 76.3 Supply/Procrimit 35.0 35.9 810.6 0.0 12.8 59.1 Scientist/Prof 36.2 36.9 619.0 0.0 0.0 57.7 Admin/Executive 34.6 35.8 7.39.2 0.0 84.3 207.6 Admin/Executive 181.7 3773.9 0.0 84.3 207.6	Supp	ly/Procrmnt	40.3	41.2	891.8	0,0	15.8	64.8	62.4	28.6	6.7
Admin/Executive 37.4 38.7 814.9 0.0 16.9 47.0 Other Officer 106.8 107.2 1946.0 0.0 14.4 172.5 Atto 48.9 991.1 0.0 20.3 73.6 Tactical Ops 39.3 39.7 777.8 0.0 11.3 48.1 Intell/Enginr/Maint 46.8 47.5 838.0 0.0 0.0 79.6 Health Care 45.9 49.2 11/96.2 0.0 39.9 76.3 Supply/Procmnt 35.0 35.9 810.6 0.0 12.8 59.1 Scientist/Prof 36.2 36.9 619.0 0.0 0.0 57.7 Admin/Executive 34.6 35.8 739.2 0.0 84.3 207.6	ŭ	:ientist/Prof	35.1	35.7	567.9	0.0	0.0	72.5	29.9	11.2	0.0
Other Officer 106.8 107.2 1946.0 0.0 14.4 172.5 Tactical Ops Tactical Ops Health Care Health Care Scientist/Procmmt Scientist/Prof	Admi	n/Executive	37.4	38.7	814.9	0.0	16.9	47.0	68.9	30.2	0.0
Tactical Ops 39.3 48.9 991.1 0.0 20.3 73.6 Intell/Enginr/Maint 46.8 47.5 838.0 0.0 11.3 48.1 48.1 Health Care 45.9 47.5 838.0 0.0 0.0 79.6 Supply/Procramt 35.0 35.9 810.6 0.0 39.9 76.3 Scientist/Prof 36.2 36.9 619.0 0.0 0.0 57.7 Admin/Executive 34.6 35.8 7.39.2 0.0 30.8 66.7 Other Officer 180.9 181.7 3773.9 0.0 84.3 207.6	0	ther Officer	106.8	107.2	1946.0	0.0	14.4	172.5	126.7	75.7	0.0
39.3 39.7 777.8 0.0 11.3 48.1 46.8 47.5 838.0 0.0 0.0 79.6 45.9 49.2 1(26.2 0.0 39.9 76.3 35.0 35.9 810.6 0.0 12.8 59.1 36.2 36.9 619.0 0.0 0.0 57.7 34.6 35.8 739.2 0.0 84.3 207.6 180.9 181.7 3773.9 0.0 84.3 207.6	1991		47.0	48.9	991.1	0.0	20.3	73.6	68.2	30.0	0.9
46.8 47.5 838.0 0.0 0.0 79.6 45.9 49.2 1(96.2 0.0 39.9 76.3 35.0 35.9 810.6 0.0 12.8 59.1 36.2 36.9 619.0 0.0 0.0 57.7 34.6 35.8 739.2 0.0 30.8 66.7 180.9 181.7 3773.9 0.0 84.3 207.6	_	actical Ops	39.3	39.7	8.777	0.0	11.3	48.1	51.2	44.8	0.0
45.9 49.2 1086.2 0.0 39.9 76.3 35.0 35.9 810.6 0.0 12.8 59.1 36.2 36.9 619.0 0.0 0.0 57.7 34.6 35.8 739.2 0.0 30.8 66.7 180.9 181.7 3773.9 0.0 84.3 207.6	Intell/E	nginr/Maint	46.8	47.5	838.0	0.0	0.0	9.6	53.7	29.4	4 .9
35.0 35.9 810.6 0.0 12.8 59.1 36.2 36.9 619.0 0.0 0.0 57.7 34.6 35.8 739.2 0.0 30.8 66.7 180.9 181.7 3773.9 0.0 84.3 207.6	_	Health Care	45.9	49.2	1086.2	0.0	39.9	76.3	67.1	28.3	5.5
36.2 36.9 619.0 0.0 0.0 57.7 34.6 35.8 7.39.2 0.0 30.8 66.7 180.9 181.7 3773.9 0.0 84.3 207.6	Supp	ly/Procrmnt	35.0	35.9	810.6	0.0	12.8	59.1	64.7	22.7	2.8
34.6 35.8 739.2 0.0 30.8 66.7 180.9 181.7 3773.9 0.0 84.3 207.6	ű	cientist/Prof	36.2	36.9	619.0	0.0	0.0	57.7	43.3	22.8	0.0
180.9 181.7 3773.9 0.0 84.3 207.6	Admi	n/Executive	34.6	35.8	7.39.2	0.0	30.8	66.7	39.0	11.3	0.0
	_	Wher Officer	180.9	181.7	3773.9	0.0	84.3	207.6	266.4	93.1	103.4

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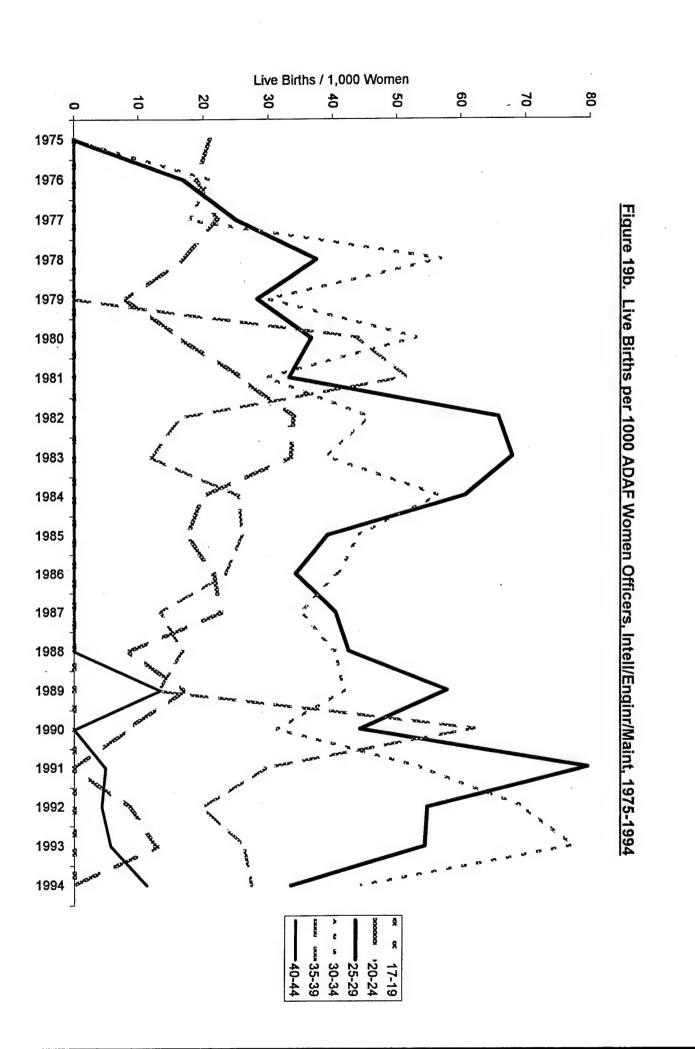
'' denotes incongruity among data prohibiting valid rate calculations; Total Fertility Rate calculated from available data					Age-Specific	Age-Specific Births /1,000			
Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44
Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years
1992	50.6	53.3	1097.7	0.0	17.8	68.9	85.7	41.6	5.6
Tactical Ops	35.7	36.1	736.4	0.0	8.9	39.0	61.7	37.7	0.0
intell/Enginr/Maint	40.2	41.3	784.4	0.0	8.5	54.7	69.5	19.9	4.3
Health Care	52.8	57.4	1157.5	0.0	13.7	73.2	83.6	53.2	7.8
Supply/Procrmnt	31.7	32.9	753.0	0.0	13.8	55.5	9.09	20.8	0.0
Scientist/Prof	31.5	32.5	649.7	0.0	0.0	42.0	41.5	23.1	23.3
Admin/Executive	47.3	20.0	1131.5	0.0	20.2	53.2	133.6	19.3	0.0
Other Officer	ı	ı	6418.0	0.0	949.9	ı	1	1	333.7
1993	46.1	48.9	1046.6	0.0	19.5	72.3	77.4	35.0	5.0
Tactical Ops	33.4	34.0	670.4	0.0	0.0	42.8	56.0	35.3	0.0
Intell/Enginr/Maint	42.9	44.3	881.1	0.0	12.9	54.3	77.2	26.2	5.7
Health Care	49.4	54.0	1211.5	0.0	31.0	92.5	80.2	34.1	4.4
Supply/Procrmnt	36.0	37.7	870.1	0.0	27.6	59.5	46.8	36.9	3.2
Scientist/Prof	16.1	16.6	322.5	0.0	0.0	8.2	34.2	22.1	0.0
Admin/Executive	202.5	230,3	6791.0	0.0	0.0	376.0	667.2	214.7	100.3
Other Officer	84.4	88.4	2242.9	0.0	33.4	173.3	186.4	4.5	10.9
1994	41.3	44.3	958.0	0.0	16.3	58.9	73.4	35.0	7.9
Tactical Ops	24.3	25.0	550.5	0.0	10.6	22.4	51.5	25.7	0.0
Intell/Enginr/Maint	26.9	27.8	582.9	0.0	0.0	33.5	44.4	27.4	11.3
Health Care	42.8	47.3	1053.0	0.0	22.7	63.9	78.4	35.4	10.1
Supply/Procrmnt	25.2	26.5	610.9	0.0	16.4	39.4	46.1	17.1	3.1
Scientist/Prof	23.1	23.9	435.8	0.0	0.0	38.0	29.3	19.9	0.0
Admin/Executive	0.96	113.3	5844.2	0.0	0.0	396.5	105.7	2.99	0.0
Other Officer	127.7	138.1	3316.1	0.0	55.8	222.0	271.1	103.4	11.0
1990-1994	46.1	48.4	1002.0	0.0	18.3	67.7	73.2	35.4	5.9
Tactical Ops	34.0	34.5	895.8	0.0	8.1	39.7	49.8	41.5	0.0
Intell/Enginr/Maint	41.6	42.5	810.5	0.0	8.3	63.6	57.7	25.4	7.2
Health Care	47.2	51.1	1093.9	0.0	26.7	71.4	76.5	37.6	6.5
Supply/Procrmnt	33.9	35.1	792.7	0.0	17.2	55.7	57.4	25.2	3.0
Scientist/Prof	26.4	27.1	491.6	0.0	0.0	39.7	34.8	20.0	3.8
Admin/Executive	51.2	54.0	1145.5	0.0	16.1	74.7	102.3	31.3	4.7
Other Officer	147.9	154.3	3409.2	0.0	59.5	243.0	265.2	95.7	18.4

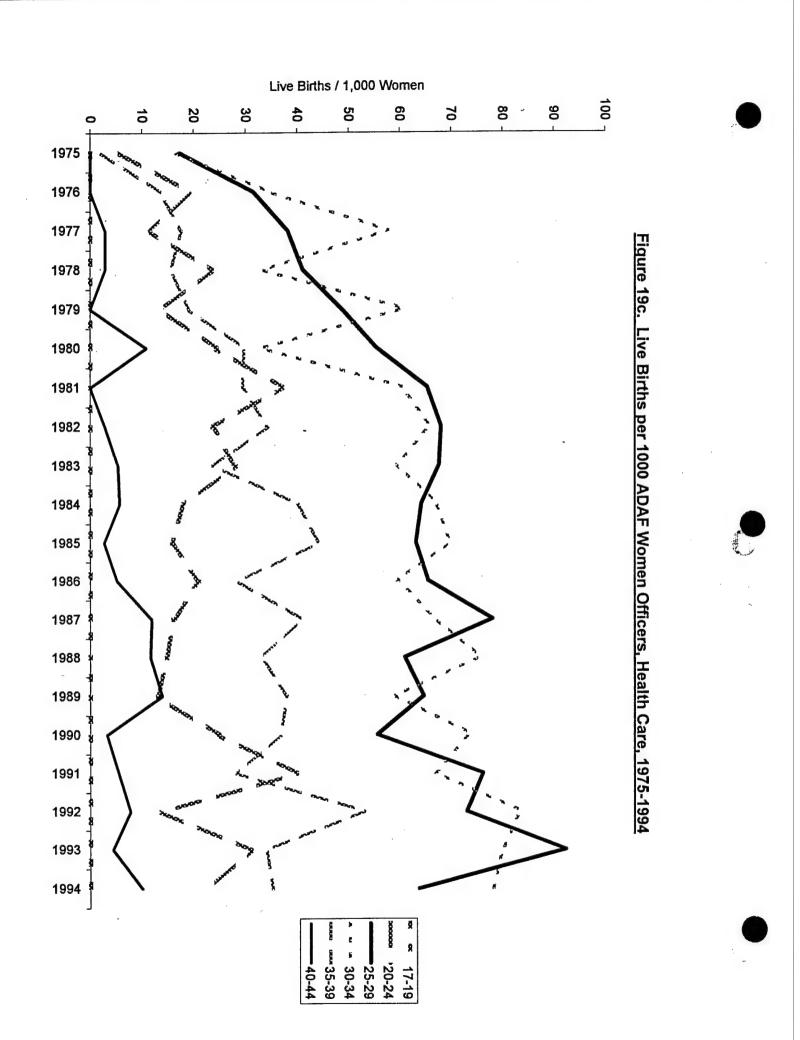
					Age-Specific	Age-Specific Births /1,000			
Year and	Total Live	General Fertility	Total Fertility	17-19	20-24	25-29	30-34	35-39	40-44
Job Group	Births / 1,000	Rate (17-44)	Rate	years	years	years	years	years	years
1975-1994	38.8	39.4	790.7	0.0	18.3	50.4	54.1	29.8	5,5
Tactical Ops	30.8	30.6	634.9	0.0	16.5	32.4	44.2	33.9	0.0
Intell/Enginr/Maint	37.2	37.2	711.3	0.0	17.3	49.8	47.1	21.9	6.1
Health Care	43.5	45.5	921.1	0.0	19.9	8.09	64.5	33.1	5.9
Supply/Procrmnt	34.2	33.7 ·	6/7.4	0.0	24.7	46.8	39.7	20.9	3.4
Scientist/Prof	30.0	29.7	554.3	0.0	7.2	37.2	38.6	25.2	2.8
Admin/Executive	47.8	49.7	10.95.7	0.0	21.6	65.2	88.8	38.7	8.4
Other Officer	36.2	36.8	849.3	0.0	9.2	41.3	56.3	48.4	14.6

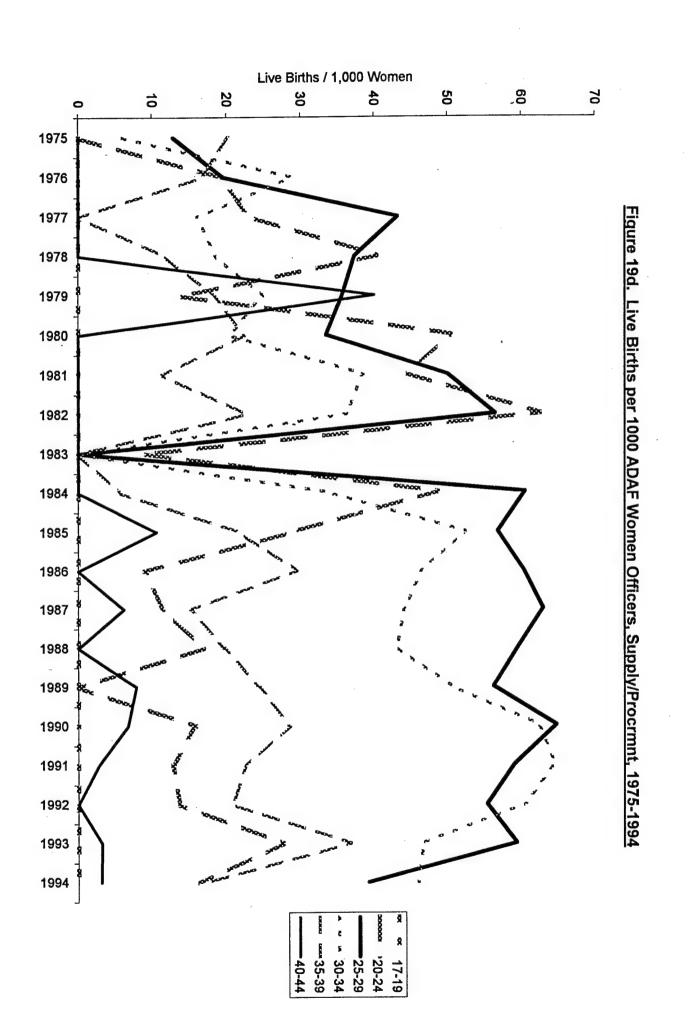


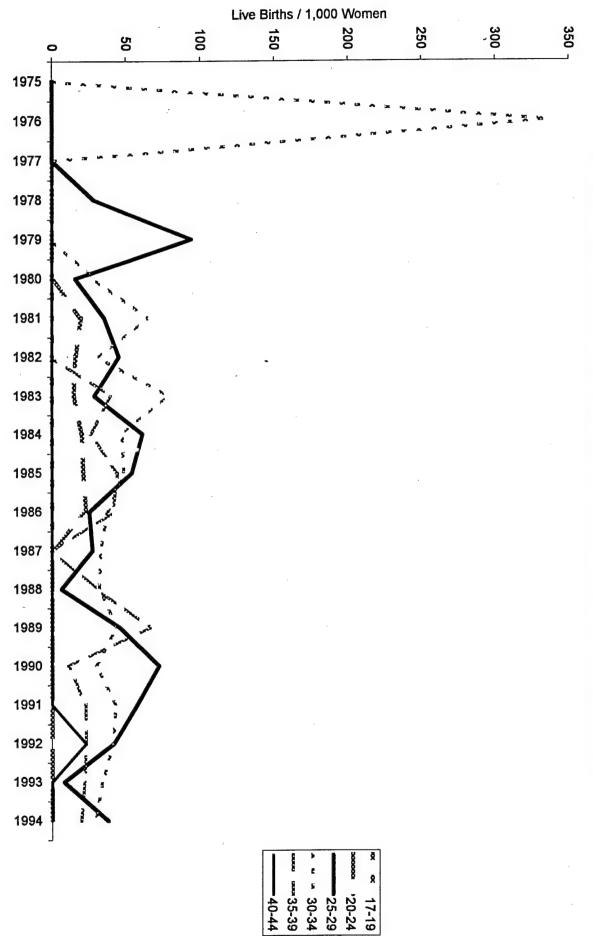
20-24 25-29

Figure 19a. Live Birth's per 1000 ADAF Women Officers, Tactical Ops, 1975-1994



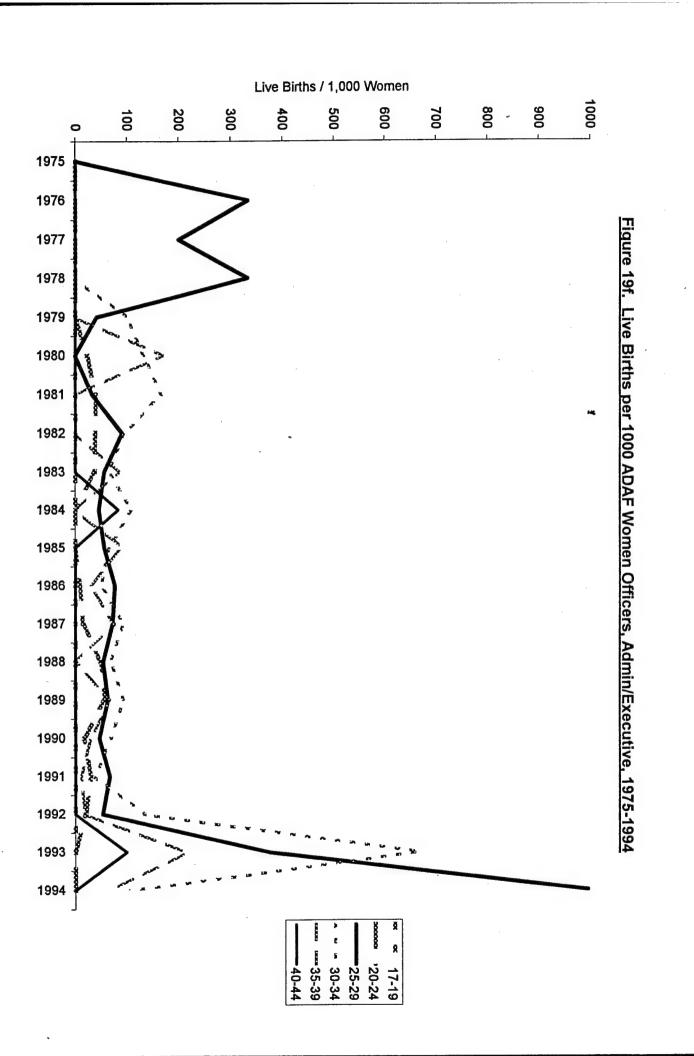






25-29 20-24 17-19

Figure 19e. Live Births per 1000 ADAF Women Officers, Scientist/Prof, 1975-1994



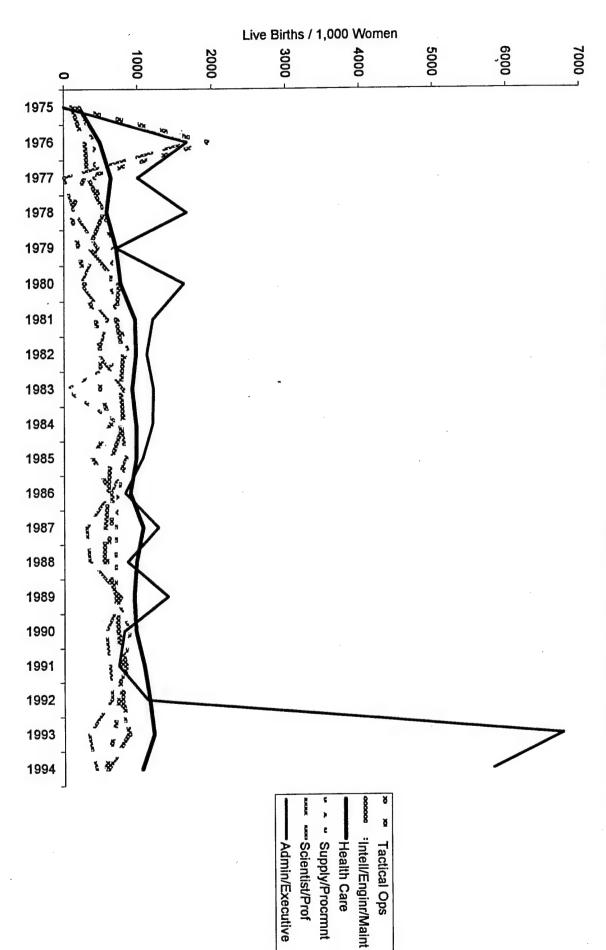


Figure 19g. Total Fertility Rates for ADAF Women Officers, by Job Group, 1975-1994

		⋖	All Functions	<u>v</u>		Training			Operations		2	Logistics R&D	Q		Other	
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		Total	Enlisted	Officer	Total	Enlisted	Officer	Total	Enlisted	Officer	Total	Enlisted	Officer	Total	Enlisted	Officer
517 645 130 180 180 483 483 485 97 387 513 440 445		LY	Births / 1,	000	LINE	Births / 1,	000	LIV	, r / smila	200	LIVE	l / suula	38			3
51.7 58.5 22.2 28.5 27.7 58.9 67.3 67.3 67.3 67.4 47.5 44.5 <th< th=""><th>1975</th><th>37.3</th><th>42.4</th><th>10.5</th><th>18.0</th><th>19.5</th><th>7.3</th><th>43.3</th><th>49.5</th><th>9.7</th><th>38.7</th><th>51.3</th><th>14.0</th><th>33.3</th><th>36.1</th><th>13.6</th></th<>	1975	37.3	42.4	10.5	18.0	19.5	7.3	43.3	49.5	9.7	38.7	51.3	14.0	33.3	36.1	13.6
52.1 56.1 26.7 26.2 26.6 21.1 61.1 66.9 29.2 71.4 91.1 26.3 43.4 52.9 66.6 77.6 66.1 71.2 31.3 65.8 22.1 28.3 43.4 57.5 62.0 29.3 24.2 66.1 71.2 31.3 65.8 22.1 74.8 32.3 43.3 71.5 65.9 24.1 26.5 21.2 66.1 71.2 31.3 66.2 72.9 <td>1976</td> <td>51.7</td> <td>56.5</td> <td>23.2</td> <td>29.2</td> <td>29.5</td> <td>27.7</td> <td>59.8</td> <td>65.8</td> <td>24.3</td> <td>51.3</td> <td>68.2</td> <td>14.6</td> <td>44.5</td> <td>46.8</td> <td>20.6</td>	1976	51.7	56.5	23.2	29.2	29.5	27.7	59.8	65.8	24.3	51.3	68.2	14.6	44.5	46.8	20.6
529 686 278 287 283 242 661 712 313 656 685 221 283 476 473 416 223 476 283 476 476 477 311 652 281 282 282 486 282 486 282 773 714 774 <td>1977</td> <td>52.1</td> <td>56.1</td> <td>25.7</td> <td>25.2</td> <td>25.6</td> <td>21.1</td> <td>61.1</td> <td>62.9</td> <td>29.2</td> <td>71.4</td> <td>91.1</td> <td>25.3</td> <td>43.4</td> <td>47.0</td> <td>9.1</td>	1977	52.1	56.1	25.7	25.2	25.6	21.1	61.1	62.9	29.2	71.4	91.1	25.3	43.4	47.0	9.1
515 620 283 281 282 212 673 731 31.1 621 748 323 476 476 515 559 241 265 272 208 613 669 262 572 719 226 393 476 713 778 361 330 313 320 262 743 811 334 763 944 322 407 303 407 324 407 407 407 402 620 572 760 808 849 465 462 462 467	1978	52.9	56.6	27.6	28.7	29.3	24.2	66.1	71.2	31.3	55.8	68.5	22.1	29.3	30.3	14.6
61.5 65.9 24.1 26.5 71.2 70.3 61.3 66.2 66.2 67.2 71.2 71.9 22.6 22.6 71.2 71.9 22.6 22.6 71.2 71.2 71.3 71.2 <th< td=""><td>1979</td><td>57.5</td><td>62.0</td><td>29.3</td><td>28.7</td><td>29.8</td><td>21.2</td><td>6.79</td><td>73.7</td><td>31.1</td><td>62.7</td><td>74.8</td><td>32.3</td><td>47.6</td><td>49.6</td><td>28.4</td></th<>	1979	57.5	62.0	29.3	28.7	29.8	21.2	6.79	73.7	31.1	62.7	74.8	32.3	47.6	49.6	28.4
71.3 77.6 33.0 31.3 32.0 26.2 74.3 81.1 33.4 76.3 94.4 32.2 40.7 79.8 86.1 43.6 43.6 42.0 80.8 94.9 46.5 46.5 46.7 86.7 92.8 47.4 40.4 33.1 73.0 83.0 82.0 80.8 96.9 96.5 44.9 46.5 46.5 46.9 46.5 46.9 46.5 46.9 46.5 46.9 46.5 46.9 46.5 46.9 46.5 46.9 46.5 46.9<	975-1979	51.5	55.9	24.1	26.5	27.2	20.8	61.3	6.99	26.2	57.2	71.9	22.6	39.3	4.14	17.8
7.8.8 66.1 4.3.6 4.9.6 4.0.4 33.1 7.9.0 65.0 4.0.9 6.0.8 6.0.0 6.0.0 6.0.9 6.0.9 6.0.9 6.0.9 6.0.9 4.	1980	71.3	77.8	33.0	31.3	32.0	26.2	74.3	1.18	33.4	76.3	94.4	32.2	40.7	43.5	12.4
85.7 92.8 47.4 67.5 31.3 83.0 88.2 51.2 76.9 92.5 44.9 46.3 46.3 47.4 50.5 31.3 83.0 81.0 81.2 76.0 91.3 47.0 91.3 47.0 47.1 48.9 47.0 48.7 47.0 48.7 <th< td=""><td>1981</td><td>79.8</td><td>86.1</td><td>43.6</td><td>39.4</td><td>40.4</td><td>33.1</td><td>79.0</td><td>85.0</td><td>42.0</td><td>80.8</td><td>94.9</td><td>46.5</td><td>46.2</td><td>48.9</td><td>25.7</td></th<>	1981	79.8	86.1	43.6	39.4	40.4	33.1	79.0	85.0	42.0	80.8	94.9	46.5	46.2	48.9	25.7
80,4 86,7 48,6 45,9 47,3 39,6 81,6 89,1 42,2 76,0 91,3 47,0 91,0 46,7 91,0 46,7 91,0 46,7 12,8 14,7 15,8 84,0 48,9 75,7 91,0 46,7 12,8 14,7 12,8 43,9 43,2 32,3 74,1 79,9 44,0 68,1 75,7 91,0 46,7 44,1 12,8 44,0 68,1 75,7 91,0 46,7 44,0 46,7 75,2 92,0 45,1 43,1 45,2 42,3 42,3 42,3 43,2 42,3 44,0 68,1 46,7 75,2 43,1 43,1 43,1 43,1 43,1 43,1 43,2 <th< td=""><td>1982</td><td>85.7</td><td>92.8</td><td>47.4</td><td>47.4</td><td>50.5</td><td>31.3</td><td>83.0</td><td>88.2</td><td>51.2</td><td>76.9</td><td>92.5</td><td>44.9</td><td>49.3</td><td>55.1</td><td>12.8</td></th<>	1982	85.7	92.8	47.4	47.4	50.5	31.3	83.0	88.2	51.2	76.9	92.5	44.9	49.3	55.1	12.8
75.7 81.1 48.8 40.5 42.7 30.7 78.6 84.0 48.9 75.7 91.0 46.7 12.8 78.6 84.9 44.0 68.1 75.7 91.0 46.7 75.7 12.8 75.7 12.8 75.7 12.9 44.0 68.1 85.2 38.0 11.3 22.7 75.2 85.2 75.9 44.0 68.1 85.2 38.0 11.3 22.7 11.3 22.7 11.3 22.7 11.3 22.7 44.2 68.1 85.2 38.0 11.3 22.7 11.3 45.2 72.2 44.2 68.1 85.2 38.0 11.3 11	1983	80.4	86.7	48.6	45.9	47.3	39.6	81.6	89.1	42.2	76.0	91.3	47.0.	14.7	13.5	57.8
78.6 64.5 4.7 40.6 42.2 32.3 79.4 65.6 4.8 77.1 92.7 44.1 32.7 71.5 76.6 46.4 46.4 35.5 74.1 79.9 44.0 68.1 85.2 38.0 11.3 69.9 74.2 48.7 42.4 44.6 68.7 73.9 46.9 68.7 73.9 86.7 86.3 73.4 14.3 72.7 72.7 48.3 54.6 57.7 68.8 73.7 42.9 68.9 43.9 14.1	1984	75.7	1.18	48.8	40.5	42.7	30.7	78.6	84.0	48.9	75.7	91.0	46.7	12.8	12.5	16.1
71.5 76.6 46.4 46.4 47.5 74.1 79.9 44.0 68.1 85.2 78.8 43.4 11.3 69.9 74.2 48.7 42.8 44.6 68.7 73.5 42.9 65.5 78.8 43.4 14.1 73.7 78.5 48.7 54.6 51.7 68.8 73.7 42.5 78.0 49.0 13.1 66.8 71.7 48.3 54.6 51.7 68.8 73.7 42.5 78.0 49.5 14.1 66.8 71.3 45.8 46.9 54.7 68.5 78.0 68.8 73.7 42.5 78.0 49.5 14.1 70.9 75.7 47.8 46.9 54.7 68.5 74.1 70.8 86.0 43.4 14.1 69.4 75.1 47.9 47.8 47.0 68.2 71.1 58.0 67.0 43.4 17.8 14.1 75.3 49.4 17.8 47.2	980-1984	78.6	8. 6.	44.7	40.6	42.2	32.3	79.4	85.6	43.8	77.1	92.7	1.7	32.7	£.	19.0
69.9 74.2 48.7 42.8 42.4 44.6 68.7 73.5 42.9 65.5 78.8 46.7 75.2 69.5 78.8 43.4 46.7 75.2 89.0 49.0 14.1 72.7 77.7 48.3 54.1 54.6 57.9 73.9 78.8 76.7 76.5 89.0 49.0 13.7 66.8 71.3 45.8 46.9 57.7 68.8 73.7 42.5 78.0 49.5 12.0 66.8 71.3 45.8 46.9 54.7 68.5 78.9 46.3 14.1 69.4 74.3 46.8 70.8 70.8 44.1 70.8 86.0 43.4 14.1 69.4 72.1 49.7 48.8 70.8 47.1 50.9 47.1 67.9 50.1 67.1 70.9 43.1 10.2 69.0 72.1 49.7 40.8 47.0 67.9 50.1 67.1 50.9	1985	71.5	76.6	46.4	37.9	38.4	35.5	74.1	79.9	0.44	68.1	85.2	38.0	11.3	10.6	17.2
73.7 78.5 49.7 50.3 48.9 57.9 73.9 78.8 46.7 75.2 89.0 49.0 13.7 72.7 77.7 48.3 54.1 54.6 51.7 68.8 73.7 42.5 78.0 92.9 49.5 12.0 66.8 71.3 45.8 54.1 54.6 51.7 68.5 73.2 44.3 68.8 85.2 38.8 14.1 70.9 75.7 47.8 46.9 48.7 68.5 74.1 70.8 86.0 43.4 14.1 69.4 77.1 47.0 68.5 74.1 72.3 41.7 70.3 43.4 17.8 69.5 72.1 49.7 45.8 47.0 69.2 71.1 58.0 67.0 74.3 87.0 16.4 60.0 63.0 47.0 48.7 47.0 69.9 56.1 70.9 49.4 70.2 70.9 49.4 70.9 70.2 70.4	1986	66.69	74.2	48.7	42.8	42.4	944.6	68.7	73.5	42.9	65.5	78.8	43.4	14.1	14.2	13.9
72.7 77.7 48.3 54.1 54.6 51.7 68.8 73.7 42.5 78.0 92.9 49.5 12.0 66.8 71.3 45.8 46.9 54.7 68.8 73.2 44.3 68.8 85.2 38.8 14.1 70.9 75.7 47.8 46.9 54.7 68.9 77.8 66.0 43.4 13.1 69.4 74.3 47.1 70.8 47.7 67.9 47.7 67.9 47.7 47.7 47.7 47.7 47.7 47.7 47.3 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.7 47.8 47.8 47.7 47.8 47.8 47.9 47.8 47.8 47.9 47.8 47.9 47.8 47.9 47.8 47.9 47.8 47.9 47.9 47.9 47.9 47.9 <td>1987</td> <td>73.7</td> <td>78.5</td> <td>49.7</td> <td>50.3</td> <td>48.9</td> <td>57.9</td> <td>73.9</td> <td>78.8</td> <td>46.7</td> <td>75.2</td> <td>89.0</td> <td>49.0</td> <td>13.7</td> <td>14.5</td> <td>9.6</td>	1987	73.7	78.5	49.7	50.3	48.9	57.9	73.9	78.8	46.7	75.2	89.0	49.0	13.7	14.5	9.6
66.8 71.3 45.8 46.3 54.7 68.5 73.2 44.3 68.8 85.2 38.8 14.1 70.9 75.7 47.8 46.5 46.0 48.8 70.8 75.8 44.1 70.8 85.0 43.4 13.1 69.4 74.3 47.1 47.2 47.7 47.3 85.3 45.3 47.4 47.3 47.3 47.3 47.4 47.3<	1988	72.7	7.77	48.3	54.1	54.6	51.7	68.8	73.7	42.5	78.0	92.9	49.5	12.0	11.9	12.5
70.9 75.7 47.8 46.5 46.5 46.6 48.8 70.8 75.8 44.1 70.8 86.0 43.4 13.1 69.4 74.3 47.1 47.2 47.5 49.6 67.1 72.3 41.7 40.7 40.7 40.3 41.7 40.7 40.3 41.7 40.7 40.3 41.7 40.7 40.3 41.7 40.7 40.2 41.7 41.7 40.7 41	1989	66.8	71.3	45.8	48.3	46.9	54.7	68.5	73.2	£.3	68.8	85.2	38.8	14.1	14.8	6.6
69.4 74.3 47.1 47.9 47.5 49.6 67.1 72.3 41.7 74.3 85.7 49.6 17.8 67.9 72.1 49.7 65.3 55.8 54.8 63.7 67.9 42.3 73.4 81.3 56.1 71.1 68.5 72.2 52.3 45.3 44.8 47.0 69.2 71.1 58.0 67.0 74.6 50.2 16.4 66.7 70.9 47.9 46.7 47.3 60.3 64.0 42.0 61.4 65.1 62.7 70.9 43.1 10.2 60.0 63.0 46.7 46.4 45.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 66.6 70.6 48.7 40.9 39.7 70.2 75.2 42.4 69.3 67.4 75.3 49.6 24.9	985-1989	6.07	75.7	47.8	46.5	46.0	48.8	70.8	75.8	1.4	70.8	86.0	43.4	13.1	13.3	11.9
67.9 72.1 49.7 55.3 55.5 54.8 63.7 67.9 42.3 73.4 81.3 56.1 27.1 68.5 72.2 52.3 45.3 44.8 47.0 69.2 71.1 58.0 67.0 74.6 50.2 16.4 66.7 70.9 47.9 46.0 48.7 37.0 67.9 69.9 56.1 62.7 70.9 43.1 10.2 60.0 63.0 46.7 46.7 45.3 64.0 42.0 61.4 66.5 49.4 32.6 66.6 70.6 48.7 46.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 68.4 73.3 44.0 40.9 39.7 70.2 72.4 69.3 82.2 42.3 24.9	1990	69.4	74.3	47.1	47.9	47.5	49.6	67.1	72.3	41.7	74.3	85.7	49.6	17.8	17.7	18.3
68.5 72.2 52.3 45.3 44.8 47.0 69.2 71.1 58.0 67.0 74.6 50.2 16.4 66.7 70.9 47.9 46.0 48.7 37.0 67.9 69.9 56.1 62.7 70.9 43.1 10.2 60.0 63.0 46.7 38.6 37.6 42.3 60.3 64.0 42.0 61.4 66.5 49.4 32.6 66.6 70.6 48.7 46.2 46.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 68.4 73.3 44.0 40.9 39.7 70.2 75.2 42.4 69.3 82.2 42.3 24.9	1991	67.9	72.1	49.7	55.3	55.5	54.8	63.7	67.9	42.3	73.4	81.3	56.1	27.1	30.8	15.8
66.7 70.9 47.9 46.0 48.7 37.0 67.9 69.9 56.1 62.7 70.9 43.1 10.2 60.0 63.0 46.7 46.7 42.3 60.3 64.0 42.0 61.4 66.5 49.4 32.6 66.6 70.6 48.7 46.2 46.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 68.4 73.3 44.0 40.7 40.9 39.7 70.2 75.2 42.4 69.3 82.2 42.3 24.9	1992	68.5	72.2	52.3	45.3	44.8	47.0	69.2	71.1	58.0	67.0	74.6	50.2	16.4	19.9	7.2
60.0 63.0 46.7 38.6 37.6 42.3 60.3 64.0 42.0 61.4 66.5 49.4 32.6 66.6 70.6 48.7 46.2 46.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 68.4 73.3 44.0 40.7 40.9 39.7 70.2 75.2 42.4 69.3 82.2 42.3 24.9	1993	66.7	70.9	47.9	46.0	48.7	37.0	67.9	6.69	56.1	62.7	70.9	43.1	10.2	12.2	4.5
66.6 70.6 48.7 46.2 46.4 45.4 65.8 69.4 47.3 67.4 75.3 49.6 22.4 68.4 73.3 44.0 40.7 40.9 39.7 70.2 75.2 42.4 69.3 82.2 42.3 24.9	1994	0.09	63.0	46.7	38.6	37.6	42.3	60.3	64.0	42.0	61.4	66.5	49.4	32.6	33.3	28.1
68.4 73.3 44.0 40.7 40.9 39.7 70.2 75.2 42.4 69.3 82.2 42.3 24.9	990-1994	9.99	70.6	48.7	46.2	46.4	45.4	65.8	69.4	47.3	67.4	75.3	49.6	22.4	24.4	14.4
	975-1994	68.4	73.3	44.0	40.7	40.9	39.7	70.2	75.2	42.4	69.3	82.2	42.3	24.9		14.8

		Ma	Major Command Function	unction	
	All Functions	Training	Operations Live Births / 1000	Logistics R&D	Other
1975	37.3	18.0	43.3	38.7	33.3
Enlisted	42.4	19.5	49.5	51.3	36.1
Officer	10.5	7.3	9.7	14.0	13.6
1976	51.7	29.2	59.8	51.3	44.5
Enlisted	56.5	29.5	65.8	68.2	46.8
Officer	23.2	27.7	24.3	14.6	20.6
1977	52.1	25.2	61.1	71.4	43.4
Enlisted	56.1	25.6	62.9	91.1	47.0
Officer	25.7	21.1	29.2	25.3	9.1
1978	52.9	28.7	66.1	55.8	29.3
Enlisted	56.6	29.3	71.2	68.5	30.3
Officer	27.6	24.2	31.3	22.1	14.6
1979	57.5	28.7	67.9	62.7	47.6
Enlisted	62.0	29.8	73.7	74.8	49.6
Officer	29.3	21.2	31.1	32.3	28.4
1975-1979	51.5	26.5	61.3	57.2	39.3
Enlisted	55.9	27.2	6.99	71.9	41.4
Officer	24.1	20.8	26.2	22.6	17.8

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		W	Major Command Group	Group	
	All Functions	Training	Operations Live Births / 1000	Logistics R&D 000	Other
1980	71.3	31.3	74.3	76.3	40.7
Enlisted	77.8	32.0	81.1	94.4	43.5
Officer	33.0	26.2	33.4	32.2	12.4
1981	79.8	39.4	79.0	80.8	46.2
Enlisted	86.1	40.4	85.0	94.9	48.9
Officer	43.6	33.1	42.0	46.5	25.7
1982	85.7	47.4	83.0	76.9	49.3
Enlisted	92.8	50.5	88.2	92.5	55.1
Officer	47.4	31.3	51.2	44.9	12.8
1983	80.4	45.9	81.6	76.0	14.7
Enlisted	86.7	47.3	89.1	91.3	13.5
Officer	48.6	39.6	42.2	47.0	57.8
1984	75.7	40.5	78.6	75.7	12.8
Enlisted	81.1	42.7	84.0	91.0	12.5
Officer	48.8	30.7	48.9	46.7	16.1
1980-1984	78.6	40.6	79.4	77.1	32.7
Enlisted	84.9	42.2	85.6	92.7	34.1
Officer	44.7	32,3	43.8	44.1	19.0

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		Σ	Major Command Group	Group	
	All Functions	Training	Operations	Logistics R&D	Other
			Live Births / 1000	000	
1985	71.5	37.9	74.1	68.1	11.3
Enlisted	76.6	38.4	79.9	85.2	10.6
Officer	46.4	35.5	44.0	38.0	17.2
1986	6.69	42.8	68.7	65.5	14.1
Enlisted	74.2	42.4	73.5	78.8	14.2
Officer	48.7	44.6	42.9	43.4	13.9
1987	73.7	50.3	73.9	75.2	13.7
Enlisted	78.5	48.9	78.8	89.0	14.5
Officer	, 49.7	6.73	46.7	49.0	9.6
1988	72.7	54.1	68.8	78.0	12.0
Enlisted	7.77	54.6	73.7	92.9	11.9
Officer	48.3	51.7	42.5	49.5	12.5
1989	66.8	48.3	68.5	68.8	14.1
Enlisted	71.3	46.9	73.2	85.2	14.8
Officer	45.8	54.7	44.3	38.8	6.6
1985-1989	70.9	46.5	70.8	70.8	13.1
Enlisted	75.7	46.0	75.8	86.0	13.3
Officer	87.8	48.8	44.1	43.4	11.9

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Aajor Comm	Major Command Function, Enlisted and Officer, 1975-1994	ed and Officer,	1975-1994		
		Σ	Major Command Group	Group	
	All Functions	Training	Operations	Logistics R&D	Other
			Live Births / 1000	000	
1990	69.4	47.9	67.1	74.3	17.8
Enlisted	74.3	47.5	72.3	85.7	17.7
Officer	47.1	49.6	41.7	49.6	18.3
1991	67.9	55.3	63.7	73.4	27.1
Enlisted	72.1	55.5	67.9	81.3	30.8
Officer	49.7	54.8	42.3	56.1	15.8
1992	68.5	45.3	69.2	67.0	16.4
Enlisted	72.2	44.8	71.1	74.6	19.9
Officer	52.3	47.0	58.0	50.2	7.2
1993	66.7	46.0	67.9	62.7	10.2
Enlisted	70.9	48.7	6.69	70.9	12.2
Officer	47.9	37.0	56.1	43.1	4.5
1994	60.0	38.6	60.3	61.4	32.6
Enlisted	63.0	37.6	64.0	66.5	33.3
Officer	46.7	42.3	42.0	49.4	28.1
1990-1994	66.6	46.2	65.8	67.4	22.4
Enlisted	70.6	46.4	4.69	75.3	24.4
Officer			į		•

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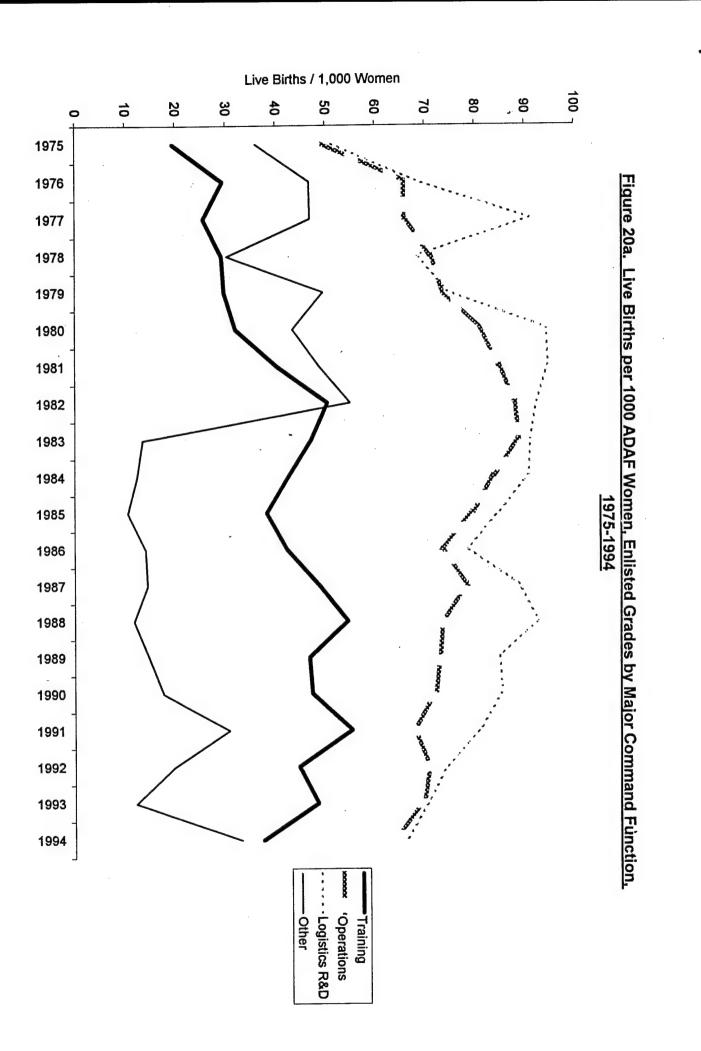
мајог соттаг	Major Command Function, Enlisted and Officer, 1975-1994	Major Command Function, Enlisted and Officer, 1975-1994	19/0-1394		
		Σ.	Major Command Group	Group	
	All Functions	Training	Operations	Logistics R&D Other	Other
			Live Births / 1000	000	
1975-1994	68.4	40.7	70.2	69.3	24.9
Enlisted	73.3	40.9	75.2	82.2	26.5
Officer	44.0	39.7	42.4	42.3	14.8

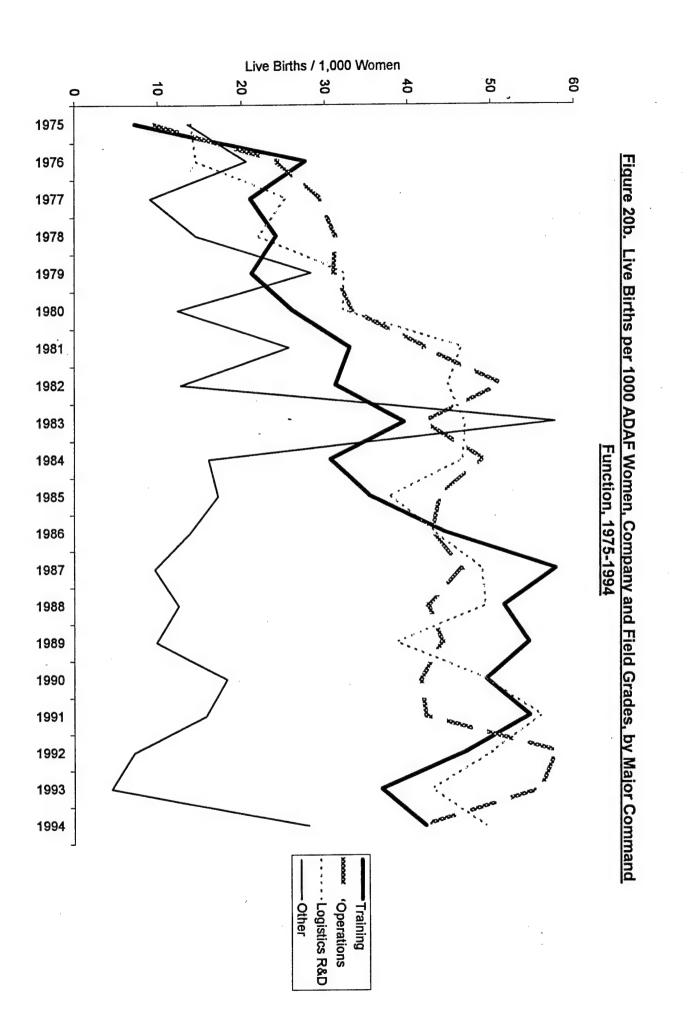
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Figure 20. Live Births per 1000 ADAF Women by Major Command Function, 1975-1994





		All Regions	w	D	United States	Se		Europe			Pacific	
	Total	tal Enlisted Off	Officer	Total	Enlisted Off	Officer	Total	Enlisted Off Births / 1,000	Officer	Total	Enlisted Off Births / 1.000	Officer 000
1975	36.1	40.9	10.3	36.5	41.2	10.6	37.0	42.3	10.6	26.9	32.3	4.1
1976	50.5	55.1	23.2	50.6	55.2	22.7	50.9	55.0	24.1	47.9	52.0	30.1
1977	52.1	56.1	25.7	52.7	56.8	25.4	45.4	47.9	27.7	53.2	57.2	28.3
1978	52.9	56.6	27.6	53.5	57.0	29.2	58.9	65.1	14.5	27.9	29.5	16.8
1979	57.5	62.0	29.3	59.2	64.2	28.8	54.5	57.3	36.0	28.8	29.1	26.9
1975-1979	51.1	55.4	24.1	51.8	56.3	24.2	50.9	55.0	23.9	35.9	38.4	21.5
1980	62.3	67.7	30.5	63.6	69.1	31.7	64.6	72.0	19.7	30.2	30.6	28.2
1981	68.8	73.9	39.9	71.9	77.4	40.9	54.1	57.8	31.0	43.7	44.5	38.7
1982	73.3	78.9	43.4	77.0	83.3	44.8	59.4	62.6	37.1	36.0	37.7	25.1
1983	0.69	74.1	42.8	72.2	7.77	45.1	57.2	61.6	26.3	36.3	37.9	26.4
1984	65.4	8.69	43.5	68.4	73.3	45.2	52.0	55.5	27.6	38.9	39.0	38.8
1980-1984	67.8	72.9	40.4	70.7	76.2	42.0	57.2	61.5	28.5	37.2	38.1	31.6
1985	80.9	65.1	39.9	63.4	68.3	40.2	51.2	53.2	36.3	34.9	34.1	39.7
1986	58.4	61.9	41.3	60.8	64.5	43.7	51.4	54.8	26.6	29.5	31.8	16.2
1987	62.6	66.4	44.2	64.5	68.8	44.6	57.9	59.9	43.2	39.0	39.6	35.1
1988	60.0	63.8	41.4	60.7	64.8	42.0	60.4	64.1	33.7	45.5	46.0	42.7
1989	58.6	62.2	41.4	59.6	63.2	43.5	58.7	63.0	27.5	41.3	44.8	20.9
1985-1989	60.1	63.9	41.6	61.8	62.9	42.9	56.1	59.1	33.4	38.2	39.5	30.6
1990	60.3	64.2	42.3	65.6	70.6	44.6	39.4	41.1	27.1	35.5	36.7	27.9
1991	60.7	64.6	43.5	63.7	68.2	45.6	54.6	57.9	30.6	34.6	36.0	24.3
1992	60.0	62.8	47.5	63.5	67.0	49.3	48.8	50.7	35.1	36.6	36.7	35.4
1993	57.4	8.09	42.4	61.0	64.8	45.7	38.2	40.9	20.4	41.2	44.9	17.2
1994	50.7	52.8	41.1	53.8	56.3	43.1	29.9	31.2	22.0	36.5	37.8	28.0
1990-1994	57.9	61.2	43.4	61.6	65.5	45.7	43.2	45.5	27.5	36.9	38.5	26.8
1004 3004												

Enlisted and Officer, 1975-1994					
	O	Geographic Region			
•	All Regions	United States	Europe	Pacific	
		Live Births / 1,000			
1975	36.1	36.5	37.0	26.9	
Enlisted	40.9	41.2	42.3	32.3	
Officer	10.3	10.6	10.6	4.1	
1976	50.5	50.6	50.9	47.9	
Enlisted	55.1	55.2	55.0	52.0	
Officer	23.2	22.7	24.1	30.1	
1977	52.1	52.7	45.4	53.2	
Enlisted	56.1	56.8	47.9	57.2	
Officer	25.7	25.4	27.7	28.3	
1978	52.9	53.5	58.9	27.9	
Enlisted	56.6	57.0	65.1	29.5	
Officer	27.6	29.2	14.5	16.8	
1979	57.5	59.2	54.5	28.8	
Enlisted	62.0	64.2	57.3	29.1	
Officer	29.3	28.8	36.0	26.9	
1975-1979	51.1	51.8	50.9	35.9	
Enlisted	55.4	56.3	55.0	38.4	
Officer	24.1	24.2	23.9	21.5	

Table 21b. (cont'd.) Total Live Births per 1,000 ADAF Women by Geographical Region, Enlisted and Officer, 1975-1994	ive Births per ' 1994	1,000 ADAF Women by	/ Geographica	al Region,	
	9	Geographic Region			
	All Regions	United States	Europe	Pacific	
		Live Births / 1,000			
1980	62.3	63.6	64.6	30.2	
Enlisted	67.7	69.1	72.0	30.6	
Officer	30.5	31.7	19.7	28.2	
1981	68.8	71.9	54.1	43.7	
Enlisted	73.9	4.77	57.8	44.5	
Officer	39.9	40.9	31.0	38.7	
1982	73.3	77.0	59.4	36.0	
Enlisted	78.9	83.3	62.6	37.7	
Officer	43.4	44.8	37.1	25.1	
1983	0.69	72.2	57.2	36.3	
Enlisted	74.1	7.77	61.6	37.9	
Officer	42.8	45.1	26.3	26.4	
1984	65.4	68.4	52.0	38.9	
Enlisted	69.8	73.3	55.5	39.0	
Officer	43.5	45.2	27.6	38.8	
1980-1984	67.8	70.7	57.2	37.2	
Enlisted	72.9	. 76.2	61.5	38.1	
Officer	40.4	42.0	28.5	31.6	
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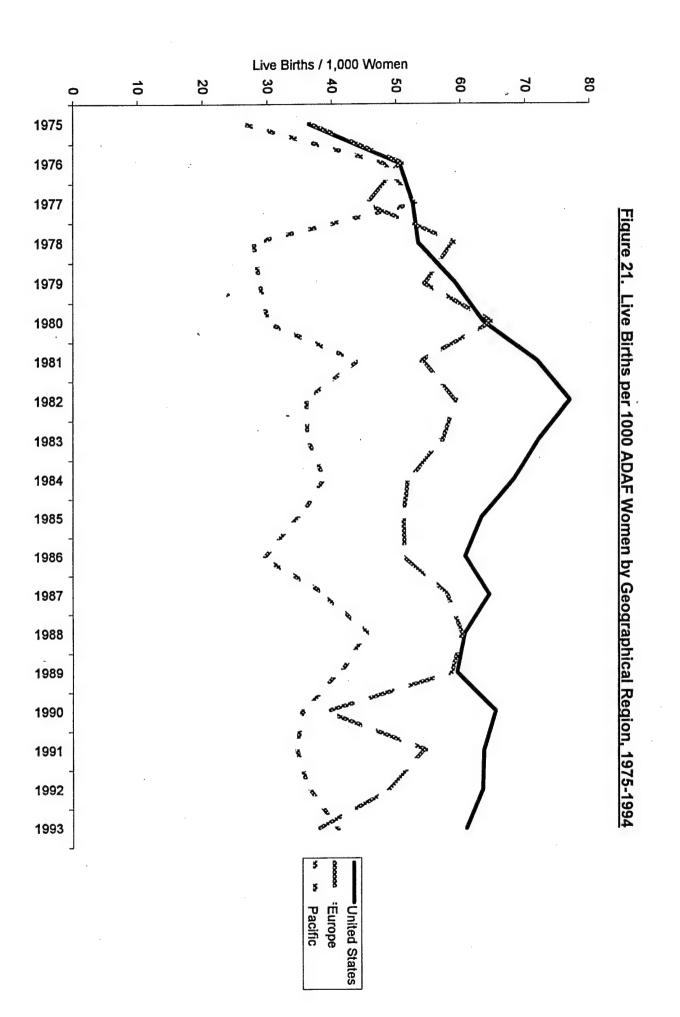
	Europe Pacific	51.2 34.9	53.2 34.1	36.3 39.7	51.4 29.5	54.8 31.8	26.6 16.2	57.9 39.0	59.9 39.6	43.2 35.1	60.4 45.5	64.1 46.0	33.7 42.7	58.7 41.3	63.0 44.8	5 27.5 20.9	56.1 38.2	59.1 39.5
Geographic Region	United States Live Births / 1,000	63.4	68.3	40.2	8.09	64.5	43.7	64.5	68.8	44.6	60.7	64.8	42.0	59.6	63.2	43.5	61.8	62.9
	All Regions	80.8	65.1	39.9	58.4	61.9	41.3	62.6	66.4	. 44.2	0.09	63.8	41.4	58.6	62.2	41.4	60.1	63.9
٠	ı	1985	Enlisted	Officer	1986	Enlisted	Officer	1987	Enlisted	Officer	1988	Enlisted	Officer	1989	Enlisted	Officer	1985-1989	Enlisted

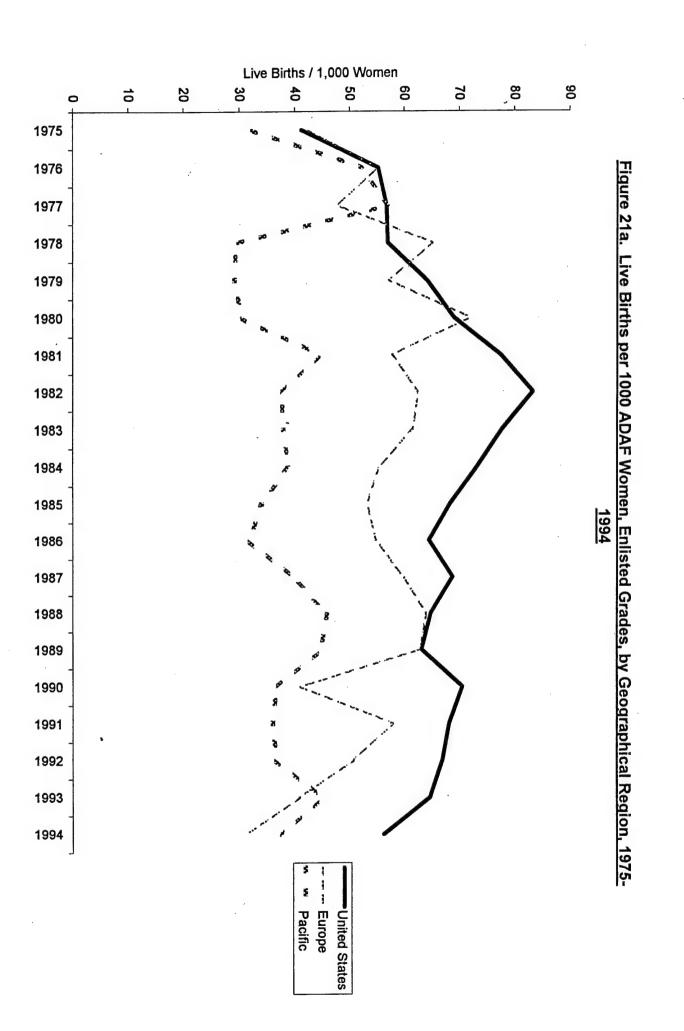
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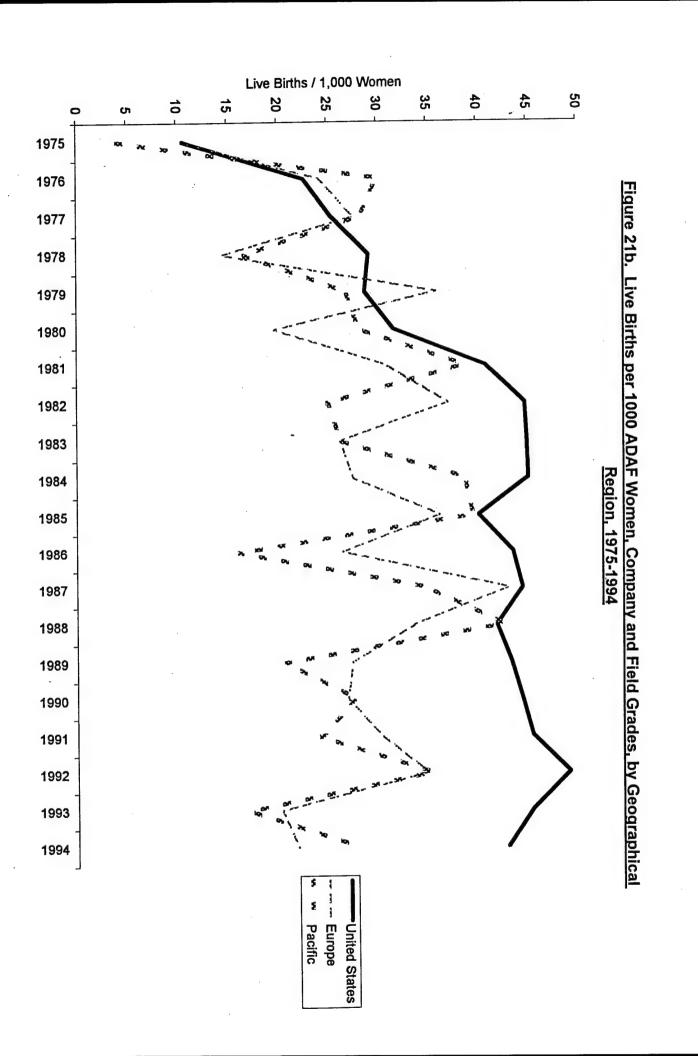
	O	Geographic Region			
•	All Regions	United States	Europe	Pacific	
		LIVE DITTIS / 1,000			
1990	60.3	65.6	39.4	35.5	
Enlisted	64.2	70.6	41.1	36.7	
Officer	42.3	44.6	27.1	27.9	
1991	60.7	63.7	54.6	34.6	
Enlisted	64.6	68.2	57.9	36.0	
Officer	43.5	45.6	30.6	24.3	
1992	60.0	63.5	48.8	36.6	
Enlisted	62.8	0.79	50.7	36.7	
Officer	47.5	49.3	35.1	35.4	
1993	57.4	61.0	38.2	41.2	
Enlisted	8.09	64.8	40.9	44.9	
Officer	42.4	45.7	20.4	17.2	
1994	50.7	53.8	29.9	36.5	
Enlisted	52.8	56.3	31.2	37.8	
Officer	41.1	43.1	22.0	28.0	
1990-1994	57.9	61.6	43.2	36.9	
Enlisted	61.2	65.5	45.5	38.5	
Officer	43.4	45.7	27.5	26.8	

Enlisted and Officer, 1975-1994	1994			
	Ð	Geographic Region		
•	All Regions	United States	Europe	Pacific
		Live Births / 1,000		
1975-1994	0.09	62.3	52.1	37.2
Enlisted	64.0	66.7	55.4	38.6
Officer	39.4	40.9	29.1	28.1

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group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States Birth rates are live births per 1,000 population in specified group. Fertility rates per 1,000 women aged 15-44 years in specified Table 22. Live Births, Birth Rates, and Fertility Rates, by Race: United States Resident Women, 1975-1993 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95

	Asian or Pacific Islander	ł	i	i	ı	ł	73.2	73.7	74.8	7.17	69.2	68.4	0.99	67.1	70.2	68.2	9.69	9.79	67.2	66.7
, Rate	American Indian	ı	i	ı	i	l	82.7	79.6	83.6	81.8	79.8	78.6	75.9	75.6	76.8	79.0	76.2	75.1	75.4	73.4
General Fertility Rate	Black	87.9	85.8	88.1	86.7	88.3	84.7	82.0	80.9	78.7	78.2	78.8	78.9	80.1	82.6	86.2	86.8	85.2	83.2	80.5
Gen	White	62.5	61.5	63.2	61.7	63.4	65.6	84.8	64.8	8. 4.	63.2	4.7	£3.	63.3	64.5	66.4	68.3	67.0	66.5	65.4
	All	66.0	65.0	8.99	65.5	67.2	68.4	67.3	67.3	65.7	65.5	66.3	65.4	65.8	67.3	69.2	70.9	89.6	68.9	9.79
	Asian or Pacific Islander	ı	1	ı	1	1	19.9	20.1	20.3	19.5	18.8	18.7	18.0	18.4	19.2	18.7	19.0	18.2	18.0	17.7
per 1000	American Indian	ı	1	i	ı	1	20.7	20.0	21.1	20.6	20.1	19.8	19.2	19.1	19.3	19.7	18.9	18.3	18.4	17.8
Live Birth Rates per 1000	Black	20.7	20.5	21.4	21.3	22.0	21.3	20.8	20.7	20.2	20.1	20.4	20.5	20.8	21.5	22.3	22.4	21.9	21.3	20.5
Live B	White	13.6	13.6	14.1	14.0	14.5	15.1	15.0	15.1	14.8	14.8	15.0	14.8	14.9	15.0	15.4	15.8	15.4	15.0	14.7
	All	14.6	14.6	15.1	15.0	15.6	15.9	15.8	15.9	15.6	15.6	15.8	15.6	15.7	16.0	16.4	16.7	16.3	15.9	15.5
	Asian or Pacific Islander	1	ı	. 1	1	1	74,355	84,553	93,193	95,713	98,926	104,606	107,797	116,560	129,035	133,075	141,635	145,372	150,250	152,800
•	American Indian	27,546	29,009	30,500	33,160	34,269	29,389	29,688	32,436	32,881	33,256	34,037	34,169	35,322	37,088	39,478	39,051	38,841	39,453	38,732
SL	Black	511,581	514,479	544,221	551,540	577,855	568,080	564,955	568,506	562,624	568,138	581,824	592,910	611,173	638,562	673,124	684,336	682,602	673,633	658,875
Registered births	White	2,551,996	2,567,614	2,691,070	2,681,116	2,808,420	2,936,351	2,947,679	2,984,817	2,946,468	2,967,100	3,037,913	3,019,175	3,043,828	3,102,083	3,192,355	3,290,273	3,241,273	3,201,678	3,149,833
Re	All	3,144,198	3,167,788	3,326,632	3,333,279	3,494,398	3,612,258	3,629,238	3,680,537	3,638,933	3,669,141	3,760,561	3,756,547	3,809,394	3,909,510	4,040,958	4,158,212	4,110,907	4,065,014	4,000,240
		1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993

			45-49	years	0.3	0.2	6.0	0.2	0.2	0.5	00	4 6	0.2	0.5	0.2	0.2	4.0	0.2	0.2	9.0	
				years	4.6	4.2	7.5	4.3	3.9	8.8	7.7	4.4	3.8	6.6	3.9	3.5	6.1	3.9	3.5	6.1	
75-1993			35-39	years	19.5	18.2	25.6	19.0	17.8	24.8		7.8	18.0	25.4	19.0	17.7	24.3	19.5	18.3	24.7	
lge-specific Birth Rates for US Resident Women by Race, 1975-1993 es 15-44. thiy Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95	Age of Mother		30-34	years	52.3	51.3	53.1	53.6	52,6	53.6	7	4.00	55.3	57.5	57.8	56.6	58.3	60.3	59.0	60.7	
Age-specific Birth Rates for US Resident Women by Fes 15-44. thiy Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95	Ag		25-29	years	108.2	108.1	102.2	106.2	105.9	101.6		111.0	110.9	106.4	108.5	107.9	105.4	111.4	110.8	108.2	
JS Residen . 44, No. 3(20-24	years	113.0	108.2	142.8	110.3	105.3	140.5		112.9	107.7	144.4	109.9	104.1	143.8	112.8	107.0	146.3	2:21-
Rates for L Report, Vol			18-19	years	85.0	74.0	152.4	80.5	70.2	142.5		80.8	70.5	142.9	79.8	69.4	139.7	813	7 5	140 4	r:51-
cific Birth 4.		15-19 years	15-17	years	36.1	28.0	85.6	34.1	26.3	80.3		33.9	26.1	79.6	32.2	24.9	75.0	32.3	24.7	75.7	1.0.1
nd Age-spe n ages 15-4 Monthly Vite				Total	55.6	46.4	111.8	5.7 8	44.4	104.9		52.8	44.1	104.7	5,5	42.9	100.9	523	72.7	1017	1.101
Table 23. Total Fertility Rates and Age-spec Total Fertility Rate includes women ages 15-44 These data came from the NCHS Monthly Vital		Total	Fertility	Rate	1 766	1,682	2,215	1 731	1,70	2.161		1,783	1,699	2,225	1 753	1,664	2,194	1 804	1,00,1	217,1	4,439
Table 23. Total Total Fertility Ra					1075	0161	Black	4076	0/81	Wille		1977	White	Black	1078	0,4/4/	Black	4070	8/8-	Wnite	ывск

						Ť	Age of Mother	J.		
	Total		15-19 years							
	Fertility		15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49
	Rate	Total	years	years	years	years	years	years	years	years
1980	1.833	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
White	1.769	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2
Black	2,154		72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3
1981	1.806	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
White	1.745		25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
Black	2,096	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1982	1.821	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
White	1.763	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
Black	2,085	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	4.0
1983	1,793	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
White	1,737	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
Black	2,044	93.9	9.69	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1984	1.800	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
White	1.745	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
Joold	2,078	64.4	602	128 1	1322	A 80	56.7	23.3	8.4	0.0

Table 23 (con Total Fertility F	Table 23 (cont'd.) Total Fertility Rates Total Fertility Rate includes women ages		and Age-specific Birth Kates for US Resident Wolliefi by Kace, 1973-1993 15-44.	TIC BILTH K	ates tor US	Kesident	vomen by	Nace, 191	266		
						Aç	Age of Mother	, . , .			
	Total		15-19 years								
	Fertility		15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	
	Rate	Total	years	years	years	years	years	years	years	years	
1985	1.837	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2	
White	1.783	43.3	24.4	70.4	104.1	112.3	6.69	23.3	3.7	0.2	
Black	2,085	95.4	69.3	132.4	135.0	100.2	57.9	23.9	4.6	0.3	
1986	1.830	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2	
White	1,772	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2	
Black	2,111		69.3	135.1	137.3	101.1	59.3	23.8	4.8	0.3	
1087	1 865	50.5	34.7	78.5	107.9	111.6	72.1	26.3	4.4	0.2	
White	1,801	42.5	24.6	689	102.3	112.3	73.0	25.9	4.1	0.2	
Black	2,173	97.6	72.1	135.8	142.7	104.3	9.09	24.6	8.4	0.2	
1988	1.927	53.0	33.6	79.9	110.2	114.4	74.8	28.1	8.4	0.2	
White	1.853	44.4	26.0	9.69	103.7	114.8	75.4	27.7	4.5	0.5	
Black	2,272	102.7	75.7	142.7	149.7	108.2	63.1	25.6	5.1	0.3	
1080	2.006	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2	
White	1 927	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2	
Black	2.406	111.5	81.9	151.9	156.8	114.4	66.3	26.7	5.4	0.3	

Total 15-19 years Fertility 15-17 16-19 20-24 25-29 30-34 35-39 40-44 45-49 Fate Total years	Table 23 (con Total Fertility F	Table 23 (cont'd.) Total Fertility Rates and Age-specific Birth Rates for US Resident Wollieli by Nace, 1373-1333 Total Fertility Rate includes women ages 15-44.	ity Kates and nen ages 15-4	Age-speci		ates for US	Resident	Volleil by	Nace, 191			
Total 15-19 years 20-24 25-29 30-34 35-39 40-44 Rate Total years years <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>Ą</th><th>ge of Mothe</th><th></th><th></th><th></th><th></th></t<>							Ą	ge of Mothe				
Fertility 15-17 18-19 20-24 25-29 30-34 35-39 40-44 Rate Total years years years years years years 2,073 59.9 37.5 88.6 116.5 120.2 80.8 31.7 5.5 1,999 50.8 29.5 78.0 109.8 120.7 81.7 31.5 5.2 2,454 112.8 82.3 152.9 160.2 115.5 68.7 28.1 5.5 2,065 62.1 38.7 94.4 115.7 118.8 80.5 31.8 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.5 33.8 5.5 2,456 115.6 160.9 113.1 67.7 28.3 5.5 2,456 51.8 28.1 158.0 117.8 78.1 29.7 4.9 2,457 41.2 41.5 11.2 67.5 28.3 5.6		Total		15-19 years								
2,073 59.9 37.5 88.6 116.5 120.2 80.8 31.7 5.5 1,999 50.8 29.5 78.0 109.8 120.7 81.7 31.5 5.5 2,454 112.8 82.3 152.9 160.2 115.5 68.7 28.1 5.5 2,065 62.1 38.7 94.4 115.7 118.2 79.5 32.0 5.5 1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 2,418 112.4 81.3 157.9 166.9 117.8 78.1 29.7 4.9 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 2,037 51.1 3		Fertility	Total	15-17	18-19	20-24	25-29	30-34 vears	35-39 vears	40-44 vears	45-49 vears	
2,073 59.9 37.5 88.6 116.5 120.2 80.8 31.7 5.5 1,999 50.8 29.5 78.0 109.8 120.7 81.7 31.5 5.2 2,454 112.8 82.3 152.9 160.2 115.5 68.7 28.1 5.5 2,065 62.1 38.7 94.4 115.7 118.8 80.5 31.8 5.5 1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 2,057 60.7 37.8 94.5 116.9 117.8 78.1 29.7 4.9 2,038 59.6 37.8 92.1 112.6 67.5 28.8 5.6 2,038 59.6 37.8 92.1 106.9 116.9 82.1 32.9 5.9 2,360 1		Kate	lorai	years	years	years	years	years	Jones			
1,999 50.8 29.5 78.0 109.8 120.7 81.7 31.5 5.2 2,454 112.8 82.3 152.9 160.2 115.5 68.7 28.1 5.2 2,065 62.1 38.7 94.4 115.7 118.2 79.5 32.0 5.5 1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 1,946 51.8 28.1 72.9 106.9 117.4 80.2 32.5 5.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 116.9 116.9 116.9 116.9 116.9 116.9 116.9	1990	2.073	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2	
2,454 112.8 82.3 152.9 160.2 115.5 68.7 28.1 5.5 2,065 62.1 38.7 94.4 115.7 118.2 79.5 32.0 5.5 1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 1,946 51.8 28.1 72.9 106.9 117.8 78.1 29.7 4.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 116.6 82.1 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 5.9 2,360 108.6 152.6 108.4 67.3 29.2 5.9	White	1 999	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2	
2,065 62.1 38.7 94.4 115.7 118.2 79.5 32.0 5.5 1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,455 115.5 84.1 158.6 160.9 117.4 80.2 32.5 5.9 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 2,048 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.9 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	Black	2,454	112.8	82.3	152.9	160.2	115.5	68.7	28.1	5.5	0.3	
1,991 52.8 30.7 83.5 109.0 118.8 80.5 31.8 5.2 2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 1,946 51.8 28.1 72.9 106.9 117.4 80.2 32.5 5.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	1991	2.065	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2	
2,455 115.5 84.1 158.6 160.9 113.1 67.7 28.3 5.5 2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 1,946 51.8 28.1 72.9 106.9 117.8 78.1 29.7 4.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	White	1.991	52.8	30.7	83.5	109.0	118.8	80.5	31.8	5.2	0.2	
2,057 60.7 37.8 94.5 114.6 117.4 80.2 32.5 5.9 1,946 51.8 28.1 72.9 106.9 117.8 78.1 29.7 4.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	Black	2,455	115.5	84.1	158.6	160.9	113.1	67.7	28.3	5.5	0.2	
1,946 51.8 28.1 72.9 106.9 117.8 78.1 29.7 4.9 2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	1992	2.057	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.9	0.3	
2,418 112.4 81.3 157.9 158.0 111.2 67.5 28.8 5.6 2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	White	1.946	51.8	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2	
2,038 59.6 37.8 92.1 112.6 115.5 80.8 32.9 6.1 1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	Black	2,418	112.4	81.3	157.9	158.0	111.2	67.5	28.8	5.6	0.2	
1,977 51.1 30.3 82.1 106.9 116.6 82.1 32.7 5.9 2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	1993	2.038	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3	
2,360 108.6 79.8 151.9 152.6 108.4 67.3 29.2 5.9	White	1.977	51.1	30.3	82.1	106.9	116.6	82.1	32.7	5.9	0.3	
	Black	2,360	108.6	79.8	151.9	152.6	108.4	67.3	28.2	5.9	0.3	

	rable 24a. Total Fer	Total Fertility Rates and Age-specific Birth Rates for US Resident Women, 1975-1993	e-specific	Birth	Rates fo	r US Re	sident	Women	, 1975-	1993		
	Total Fertility Rate inc These data came fron	ate includes women ages 15-44. In from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95	15-44. / Vital Sta	tistics R	eport, V	ol. 44, N	0. 3(S),	21 SEF	98			
							Age	Age of Mother	ner			
			1 42	5-19 years	ফ							
		Total Fertility		15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	
		Rate	Total	years	years	years	years	years	years	years	years	
	1975	1.766	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3	
	1976	1.731	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2	
	1977	1,783	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2	
	1978	1.753	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2	
	1979	1,801	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2	
-	1980	1,833	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2	
	1981	1.806	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2	
	1982	1,821	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2	
	1983	1.793	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2	
	1984	1.800	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2	
	1985	1.837	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2	
	1986	1,830	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2	
	1987	1.865	50.6	31.7	78.5	107.9	111.6	72.1	26.3	4.4	0.5	
	1988	1.927	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2	
	1989	2.006	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2	
	1990	2,073	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2	
	1991	2,065	62.1	38.7	94.4	115.7	118.2	79.5	32.0	5.5	0.2	
	1992	2,057	60.7	37.8	94.5	114.6	117.4	80.2	32.5	5.8	0.3	
	1993	2,038	59.6	37.8	92.1	112.6	115.5	80.8	32.9	6.1	0.3	
												١

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1993			45-49 years	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
1975-1			40-44 years	4.2	3.9	3.8	3.5	3.5	3.5	3.4	3.6	3.6	3.6	3.7	3.8	4.1	4.5	4.9	5.2	5.2	4.9	5.9
Vomen, 21 SEP	ıer		35-39 years	18.2	17.8	18.0	17.7	18.3	18.8	19.0	20.4	21.3	22.2	23.3	23.9	25.9	27.7	29.7	31.5	31.8	29.7	32.7
sident V o. 3(S),	Age of Mother		30-34 years	51.3	52.6	55.3	56.6	59.0	61.2	61.0	64.0	65.3	67.7	6.69	70.9	73.0	75.4	78.1	81.7	80.5	78.1	82.1
US Res	Age		25-29 years	108.1	105.9	110.9	107.9	110.8	113.8	112.3	111.9	109.4	109.8	112.3	110.8	112.3	114.8	117.8	120.7	118.8	117.8	116.6
r White			20-24 years	108.2	105.3	107.7	104.1	107.0	111.1	108.3	107.7	103.8	102.7	104.1	102.7	102.3	103.7	106.9	109.8	109.0	106.9	106.9
kates fo		y,	18-19 years	74.0	70.2	70.5	69.4	71.0	73.2	71.5	70.8	68.8	68.4	70.4	70.1	68.9	9.69	72.9	78.0	83.5	72.9	82.1
Birth F 44 Ital Stati		5-19 years	15-17 years	28.0	26.3	26.1	24.9	24.7	25.5	25.4	25.5	25.0	24.3	24.4	23.8	24.6	26.0	28.1	29.5	30.7	28.1	30.3
-specific ages 15- onthly V		15	Total	46.4	44.1	44.1	42.9	43.7	45.4	44.9	45.0	43.9	42.9	43.3	42.3	42.5	44.4	47.9	50.8	52.8	51.8	51.1
Table 24b. Total Fertility and Age-specific Birth Rates for White US Resident Women, 1975-1993 Total Fertility Rate Includes women ages 15-44 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95			Total Fertility Rate	1.682	1,648	1,699	1,664	1,712	1,769	1,745	1,763	1,737	1,745	1,783	1,772	1,801	1,853	1,927	1,999	1,991	1,946	1,977
Table 24b. Total Total Fertility Rat These data came		·		1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993

Table 24c. Total Fertility and Age-specific Birth Rates for Black US Resident Women, 1975-1993 Total Fertility Rate includes women ages 15-44 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95	Age of Mother	15-19 years	15-17 18-19 20-24 25-29 30-34 35-39 40-44 45-49	Total years years years years years years years	7.5	104.9 80.3 142.5 140.5 101.6 53.6 24.8 6.8 0.5	79.6 142.9 144.4 106.4 57.5 25.4 6.6	75.0 139.7 143.8 105.4 58.3 24.3 6.1	75.7 140.4 146.3 108.2 60.7 24.7 6.1	72.5 135.1 140.0 103.9 59.9 23.5 5.6	69.3 131.0 136.5 102.3 57.4 23.1 5.4	69.7 128.9 135.4 101.3 57.5 23.3 5.1	127.1 131.9 98.4 56.2 23.3 5.1	69.2 128.1 132.2 98.4 56.7 23.3 4.8	69.3 132.4 135.0 100.2 57.9 23.9	69.3 135.1 137.3 101.1 59.3 23.8 4.8	135.8 142.7 104.3 60.6 24.6 4.8	63.1 25.6 5.1	81.9 151.9 156.8 114.4 66.3	28.1 5.5	84.1 158.6 160.9 113.1 67.7 28.3 5.5	111.2 67.5	79.8 151.9 1
k US Re Vol. 44, N	e of Moth			years	102.2	101.6	106.4	105.4	108.2	103.9	102.3	101.3	98.4	98.4	100.2	101.1	104.3	108.2	114.4	115.5	113.1	111.2	108.4
for Blac Report, \	Age		20-24	years	142.8	140.5	144.4	143.8	146.3	140.0	136.5	135.4	131.9	132.2	135.0	137.3	142.7	149.7	156.8	_	_	_	•
Rates atistics F		S	18-19	years	152.4	142.5	142.9	139.7	140.4	135.1	131.0	128.9	127.1	128.1	132.4	135.1	135.8	142.7	151.9	152.9	158.6	157.9	151.9
fic Birth 5-44 Vital Sta		5-19 yea	15-17	years	85.6	80.3	79.6	75.0	75.7	72.5	69.3	69.7	9.69	69.2	69.3	69.3	72.1	75.7	81.9			81.3	79.8
Age-specif men ages 1 4S Monthly		1		Total	111.8	104.9	104.7	100.9	101.7	97.8	94.5	94.3	93.9	94.1	95.4	95.8	97.6	102.7	111.5	112.8	115.5	112.4	108.6
Table 24c. Total Fertility and Age-specific B Total Fertility Rate includes women ages 15-44 These data came from the NCHS Monthly Vital			Total Fertility	Rate	2,215	2,161	2,225	2,194	2,239	2,154	2,096	2,085	2,044	2,048	2,085	2,111	2,173	2,272	2,406	2,454	2,455	2,418	2,360
ble 24c. T tal Fertility ese data c					1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993

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years 40-44 2.6 1.5 7.2 5.5 5.6 2.6 2.0 4.8 2.0 2.5 2.0 4.3 2.7 <u>*.</u> 5.2 2.7 Rates are births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1 able 25. Age-Specific Birth Rates for Unmarried US Resident Women by Race, 1975, 1980-1993 35-39 years 10.9 11.6 19.0 19.6 10.0 19.5 10.2 19.4 19.4 20.4 12.2 9.0 20.5 8.4 5.4 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95 years 30-34 20.8 14.2 45.5 15.3 22.4 15.9 43.8 23.3 16.8 43.8 25.2 18.4 47.5 20.1 50.0 44.1 14.1 46.7 9.8 Age of Mother 25-29 years 23.8 25.5 77.8 39.9 28.5 79.3 42.2 30.5 84.6 34.5 22.3 35.5 79.7 14.8 83.1 23.1 82.7 37.1 75.7 35.1 107.9 118.0 107.2 20-24 years 108.0 110.7 109.3 28.5 113.1 41.8 43.0 46.5 49.3 25.8 41.5 26.5 31.7 31.2 15.5 27.1 25.1 111.9 113.6 117.9 18-19 years 123.8 118.2 114.2 45.9 31.2 39.6 26.4 42.5 48.0 32.5 24.6 25.3 40.7 16.5 39.0 85.1 15-19 years years 15-17 14.5 66.8 68.8 20.9 12.6 62.9 21.5 66.3 22.0 13.6 8.99 21.9 13.7 66.5 22.4 76.8 12.0 13.1 19.3 9.6 20.8 87.6 32.3 21.8 88.5 29.5 85.5 30.0 19.3 31.4 Total 23.9 12.0 93.5 16.5 87.9 27.9 17.2 85.0 28.7 18.0 85.1 18.7 86.1 years 31.0 20.6 32.8 22.5 77.0 34.2 23.9 79.0 15-44 19.8 75.2 24.5 84.2 29.5 18.6 79.4 30.0 19.3 77.9 30.3 76.2 12.4 18.1 81.1 White White White White White White Black Black Black 1985 White White 1982 1983 1984 Black 1986 Black Black Black Black 1975 1981

						Age of Mother	Aother		
			15-19 years						
	15-44		15-17	18-19	20-24	25-29	30-34	35-39	40-44
	years	Total	years	years	years	years	years	years	years
1987	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
White	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
Black	82.6	6.06	6.69	123.0	126.1	91.6	53.1	22.4	4.7
1988	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
White	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
Black	86.5	96.1	73.5	130.5	133.6	97.2	57.4	.24.1	5.0
1989	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
White	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
Black	2.06	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1990	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
White	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
Black	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1991	45.2	44.8	30.9	65.7	68.0	56.5	38.1	18.0	3.8
White	34.6	32.8	21.8	49.6	51.5	44.6	31.1	15.2	3.2
Black	89.5	108.5	80.4	148.7	147.5	100.9	60.1	25.6	5.4
1992	45.2	44.6	30.4	67.3	68.5	56.5	37.9	18.8	4.1
White	35.2	33.0	21.6	51.5	52.7	45.4	31.5	16.2	3.6
Black	86.5	105.9	78.0	147.8	144.3	98.2	57.7	25.8	5.4
1993	45.3	44.5	30.6	6.99	69.2	57.1	38.5	19.0	4.4
White	35.9	33.6	22.1	52.4	54.2	46.7	32.2	16.4	3.9
Risck	0.70	1024	76.9	4446	4400	4 70	6 14	200	

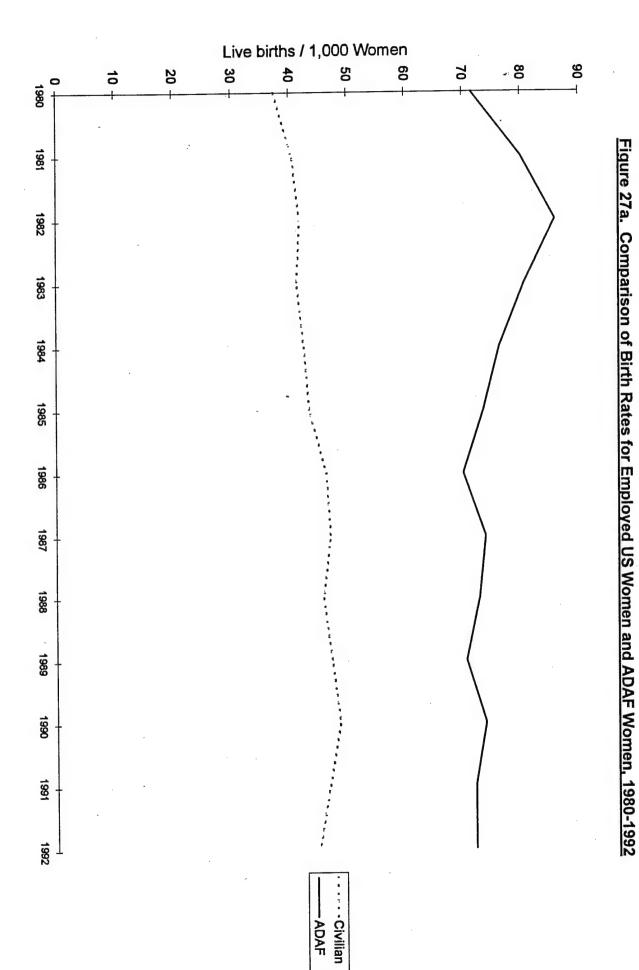
	1	ı																	
uly 1			40-44	years	2.6	2.6	2.6	2.7	2.6	2.5	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.4
d as of J			35-39	years	9.1	9.7	8.6	10.0	10.2	10.9	11.6	12.2	13.5	15.0	16.0	17.3	18.0	18.8	19.0
80-1993 stimated SEP 95	Aother		30-34	years	17.9	21.1	20.8	21.9	22.4	23.3	25.2	27.2	29.6	32.0	34.9	37.6	38.1	37.9	38.5
1975, 19 group, e 3(S), 21	Age of Mother		25-29	years	27.5	34.0	34.5	35.1	35.5	37.1	39.9	42.2	44.5	48.5	52.8	56.0	56.5	56.5	57.1
fomen, pecified 44, No.	·	-	20-24	years	31.2	40.9	41.1	41.5	41.8	43.0	46.5	49.3	52.6	56.0	61.2	65.1	68.0	68.5	69.2
sident W men in s ort, Vol.			18-19	years	32.5	39.0	39.0	39.6	40.7	42.5	45.9	48.0	48.9	51.5	56.0	60.7	65.7	67.3	6.99
ed US Resnamied wo		15-19 years	15-17	years	19.3	20.6	20.9	21.5	22.0	21.9	22.4	22.8	24.5	26.4	28.7	29.6	30.9	30.4	30.6
tes for Unmarri In per 1,000 unn Ionthly Vital Sta		#		Total	23.9	27.6	27.9	28.7	29.5	. 30.0	31.4	32.3	33.8	36.4	40.1	42.5	44.8	44.6	44.5
Table 26a. Age-specific Birth Rates for Unmarried US Resident Women, 1975, 1980-1993 Rates are births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95			15-44	years	24.5	29.4	29.5	30.0	30.3	31.0	32.8	34.2	36.0	38.5	41.6	43.8	45.2	45.2	45.3
Table 26a. Age Rates are births These data carr					1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993

ıly 1			40-44	years	7.2	5.5	5.6	5.2	4 .8	4.3	4.3	4.4	4.7	5.0	5.0	5.1	5.4	5.4	5.8
0-1993 1 as of Ju	her		35-39	years	20.5	19.0	19.6	19.5	19.4	19.4	20.4	20.6	22.4	24.1	24.9	25.5	25.6	25.8	25.9
375, 1980 Stimatec SEP 95	Age of Mother		30-34	years	50.0	46.7	45.5	44.1	43.8	43.8	47.5	50.0	53.1	57.4	60.5	61.5	60.1	57.7	57.3
men, 19 group, e 3(S), 21	Age		25-29	years	75.7	81.4	83.1	82.7	79.7	77.8	79.3	84.6	91.6	97.2	102.9	105.3	100.9	98.2	94.5
dent Wo pecified 44, No.			20-24	years	108.0	112.3	110.7	109.3	107.2	107.9	113.1	118.0	126.1	133.6	142.4	144.8	147.5	144.3	142.2
US Residented in Solut, Vol.		ی	18-19	years	123.8	118.2	114.2	85.1	111.9	113.6	117.9	121.1	123.0	130.5	140.9	143.7	148.7	147.8	141.6
ied Elack I married wo itistics Rep	4	15-19 years	15-17	years	76.8	68.8	62.9	66.3	8.99	66.5	66.8	67.0	6.69	73.5	78.9	78.8	80.4	78.0	76.8
tes for Unmarri en per 1,000 uni donthly Vital Sta				Total	93.5	87.9	85.0	85.1	85.5	. 86.1	87.6	88.5	6.06	96.1	104.5	106.0	108.5	105.9	102.4
Table 26c. Age-specific Birth Rates for Unmarried Elack US Resident Women, 1975, 1980-1993 Rates are births to unmarried women per 1,000 unmarried women in specified group, estimated as of July 1 These data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95			15-44	years	84.2	81.1	79.4	77.9	76.2	75.2	77.0	79.0	82.6	86.5	20.6	90.5	89.5	86.5	84.0
Table 26c. Ag Rates are birth These data car					1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993

-	18-44 Years	ears	18-2	18-29 Years	30-44	30-44 Years
Year	Women	Total births	Women (thous)	Total Births per 1.000	Women (thous)	Total Births per 1,000
1980	27,403		14,337		13,066	
1981	29,149		15,085		14,064	25.9
1982	29,705		15,095	5 55.3	14,610	28
1983	30,388		15,260	57.9	15,128	
1984	32,365		15,954	4 58	16,411	27.6
1985	33,034		15,772	2 62	17,262	26.6
1986	34,226	46.4	15,974	4 62.9	18,252	32
1987	35,351	٠	16,095	5 68	19,256	3 29.7
1988	36,143		16,250	0 62.5	19,893	32.4
1989						
1990*	38,840	48.8	17,306	62.9	21,534	t 35
1991						
1992*	38,139	45.0	15,906	6.09	22,233	3 33.7

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	17-44 Years	"	17-29	17-29 Years	30-44	30-44 Years
Year	To	Fotal births		Total Births		Total Births
	Women per	per 1,000	Women	per 1,000	Women	per 1,000
1980	60,764	71.6	54,727	75.7	6,037	34.6
1981	63,391	80.1	55,763	85.3	7,628	42.3
1982	64,652	86.0	55,027	93.6	9,625	
1983	65,575	80.7	54,038	88.3	11,537	45.4
1984	66,708	76.4	53,186	84.8	13,522	
1985	70,287	73.7	54,628	81.7	15,659	
1986	74,033	70.2	56,309	78.8	17,724	
1987	75,723	74.0	55,943	84.6	19,780	
1988	74,745	73.0	53,228	85.1	21,517	
1989	75,524	70.7	52,572	83.2	22,952	
1990*	73,024	74.0	47,516	92.1	25,508	
1991	70,770	72.2	43,855	92.1	26,915	39.8
1992*	66,442	72.2	40,781	90.1	25,661	43.8



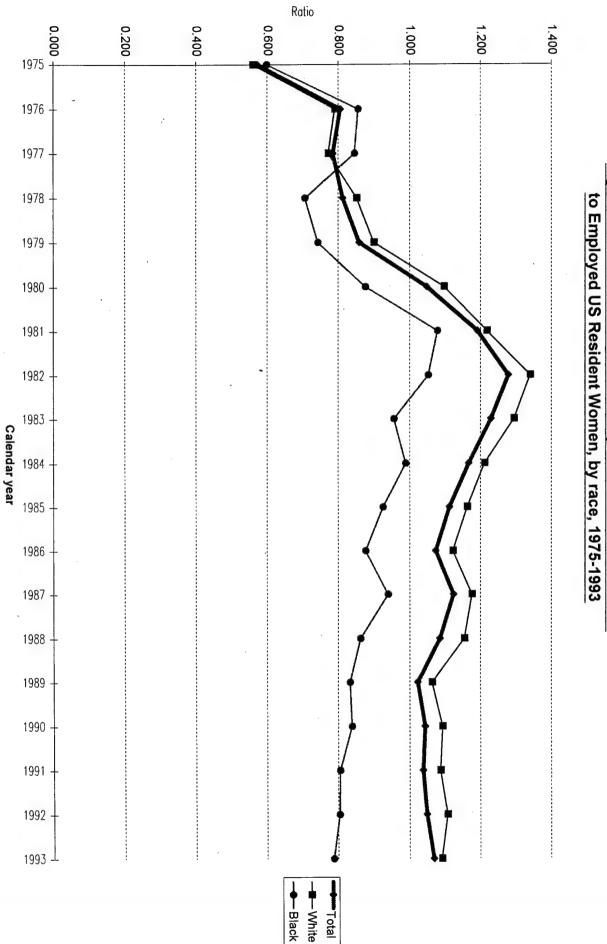
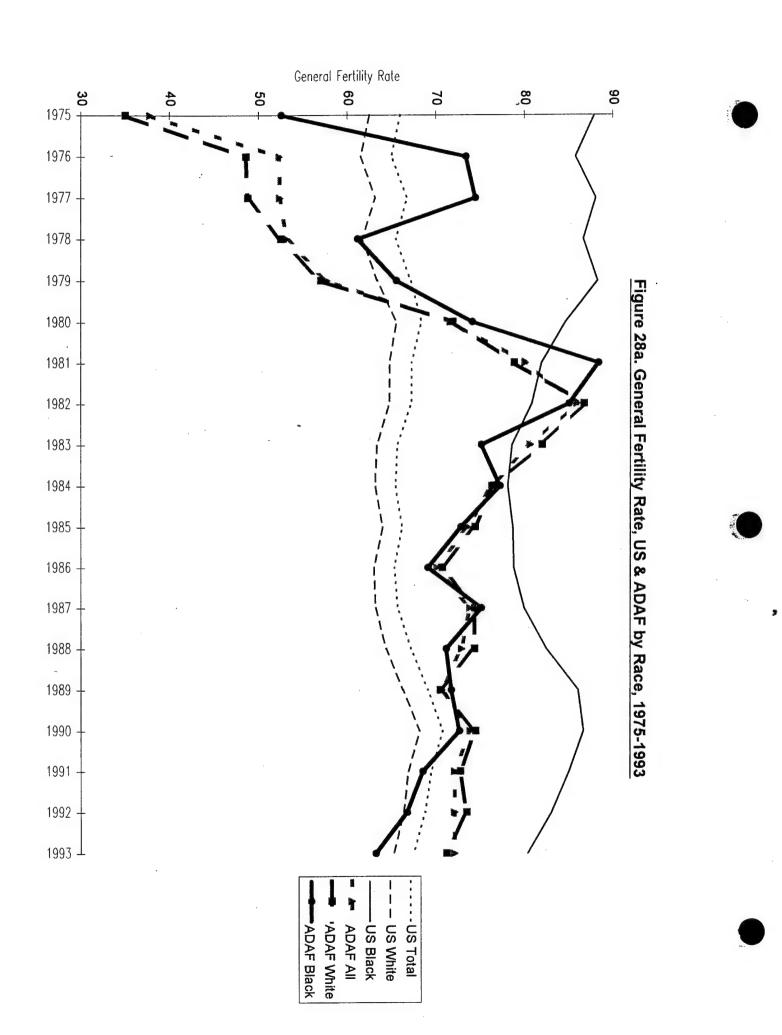


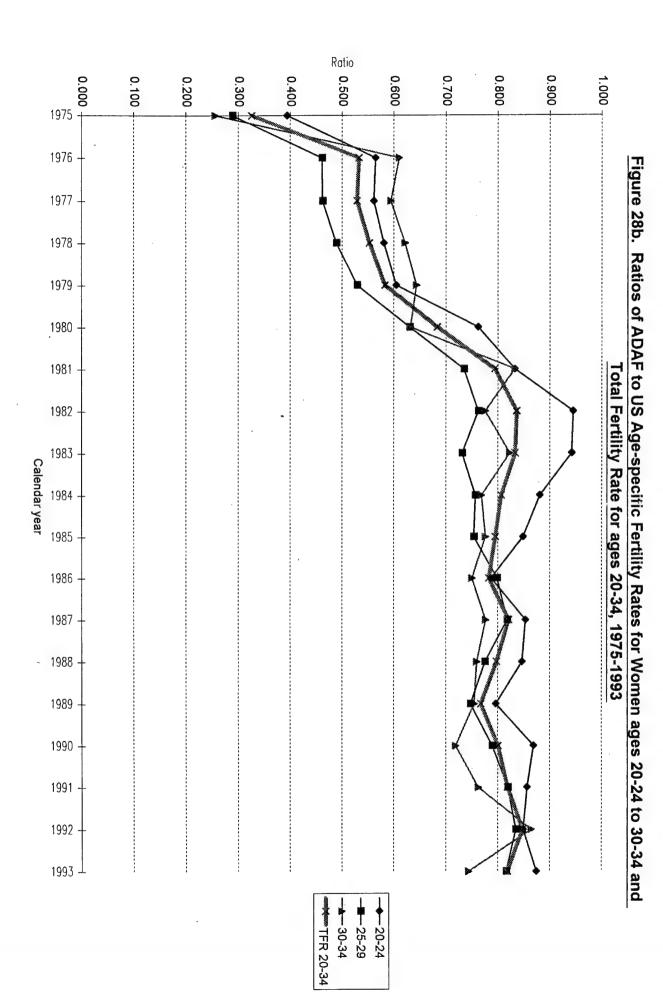
Figure 27b. Ratio of General Fertility Rates for ADAF Women

Table 28. General Fertility Rates by Race: United States Resident Women and Active Duty Air Force (ADAF) Women, 1975-1993

General Fertility rates per 1,000 women aged 15-44 years in specified group (US), 17-44 in specified group (ADAF). Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States US data came from the NCHS Monthly Vital Statistics Report, Vol. 44, No. 3(S), 21 SEP 95

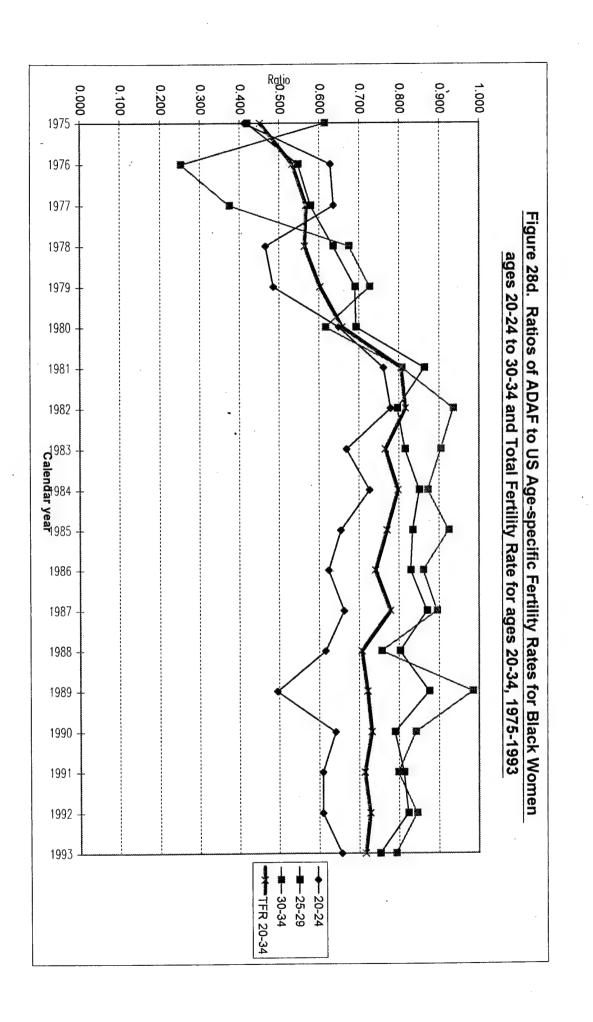
	US Gel	US General Fertility Kate	ry Kate	ADAF General Fertility Rate	merai reru	וווא וימוס
	All Races	White	Black	All	White	Black
1975	0.99	62.5	87.9	37.8	35.0	52.6
1976	65.0	61.5	82.8	52.3	48.6	73.4
1977	8.99	63.2	88.1	52.4	48.8	74.5
1978	65.5	61.7	86.7	53.2	52.5	61.2
1979	67.2	63.4	88.3	57.7	57.1	65.6
1980	68.4	65.6	84.7	71.6	71.9	74.1
1981	67.3	64.8	82.0	1.08	78.9	88.4
1982	67.3	64.8	80.9	86.0	86.8	85.1
1983	65.7	63.4	78.7	80.7	82.0	75.2
1984	65.5	63.2	78.2	76.4	9.92	77.3
1985	66.3	64.1	78.8	73.7	74.5	72.9
1986	65.4	63.1	78.9	70.2	70.8	69.2
1987	65.8	63.3	80.1	74.0	74.4	75.2
1988	67.3	64.5	82.6	73.0	74.4	71.3
1989	69.2	66.4	86.2	7.07	70.6	71.8
1990	70.9	68.3	86.8	74.0	74.6	72.7
1991	9.69	67.0	85.2	72.2	72.8	68.6
1992	68.9	66.5	83.2	72.2	73.6	6.99
1993	9.79	65.4	80.5	72.2	71.3	63.3





Ratio 0.6 0.8 1.2 Calendar year → 20-24 25-29 TFR 20-34 *-30-34

Figure 28c. Ratios of ADAF to US Age-specific Fertility Rates for White Women ages 20-24 to 30-34 and Total Fertility Rate for ages 20-34, 1975-1993



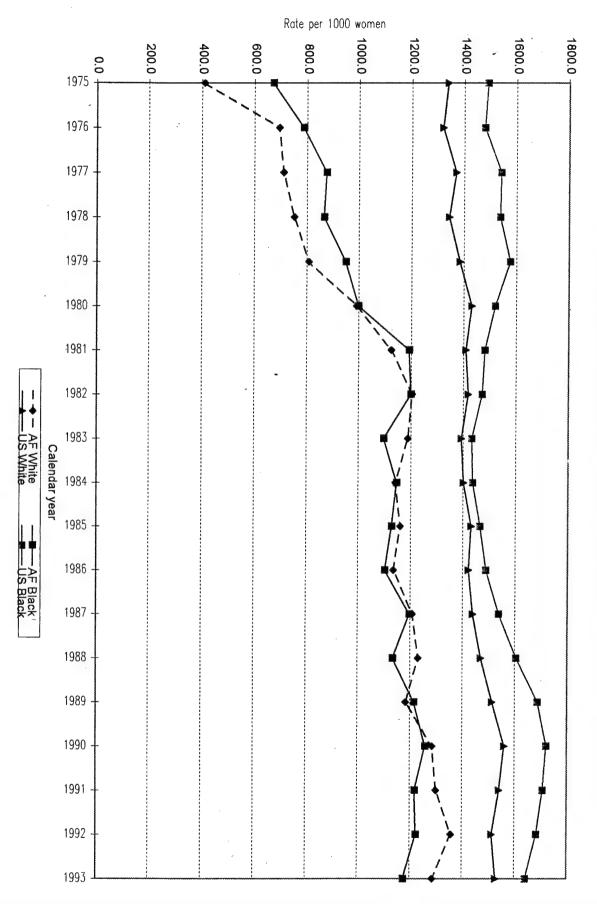


Figure 28e. Truncated Total Fertility Rates (ages 20-34) for US and ADAF Women, by race, 1975-1993

Ratio 2.5 .5 0.5 1975 1976 1977 1978 1979 1980 1981 1982 1983 Calendar year 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 ⊥ ----ADAF All -X-ADAF White -*- US Black → US White ◆ US Total ADAF Black

Figure 28f. Ratio of General Fertility Rate by calendar year to Rate in 1975, by race, US and ADAF Women, 1975-1993

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Appendix

Appendix A	Phase II Case-Control Study
	1. Enumeration of Reproductive Events A-2
	2. Case-definition A-6
	3. Case-Distribution between 1990-1994 A-7
	By Age Race Rank Major Command Region Job State
	4. Industrial Hygiene Exposure Assessments A-8
	5. Reproductive History and Risk Factor Assessments A-9
Appendix B	List of Publications, Abstracts, and Personnel A-10

Phase II: Case-Control Study

The primary source of case-control data was the reproductive data set maintained by the Air Force Medical Support Agency (AFMSA) Standard Inpatient Record (SIDR), an existing database which contains records for all admissions to USAF medical facilities since 1970. Drs. Herbold and Grayson obtained the data set from the Air Force. For the purposes of planning the case-control study we elected to conduct a preliminary review of the cases (without personnel identifiers) in order to determine the number of events available from 1990 to 1994, the number of events from which cases will be selected between 1990-1994, and their distribution by important demographic factors. The final cases will be selected from a subset of years from 1990-1996 where the data for 1995 and 1996 have just become available and remain to be extracted from the SIDR.

This section briefly describes (1) the enumeration of events from which cases will be selected, (2) the distribution of cases for pertinent factors, (3) the status of the industrial hygiene assessments, and (4) the status of the medical extraction and CATI interviews.

1. Enumeration of Reproductive Events

During Year 1, we elected to conduct a preliminary assessment of cases without personnel identifiers in order to determine the number of events available, the number of events from which cases will be selected between 1990-1994, and their distribution by key demographic factors.

On October 1 1996, Battelle initiated the generation of data files by first requesting the reproductive numerator data be extracted from the AFMSA database. The extraction process took 5 months and we received the numerator data in March, 1997. The 20-year old AFMSA SIDR tape files for reproductive events were extracted by John Mellman, the Statistical Consultant and Database Manager from Armstrong Laboratory, Brooks AFB, Texas. The condition of the tapes was variable and the 5 month time was used to locate, splice together, and upload and recreate files on the mainframe. The events were entered as hospitalizations hence there were multiple entries for one event. By July 1997, research staff at the University of Texas had reviewed the data set for errors and produced the ADAF WOMEN EVENT.dbf datafile described in Exhibit 1 on the following pages.

The tabulations located in Exhibit 2, show that there were 96,934 events. A surprisingly small proportion were problematic, attributable either to improbable dates (n = 402 or .4%) or contradictions between V and P codes (n = 175 or .2%). These small number of entries were eliminated from the descriptive studies but are maintained in the case-control study as we will be able to recode problematic cases (if any) using the medical record for each individual.

As seen previously on Section B.1 on page 22 of the draft report, a thorough review of the quality of the event data indicated that the coding schema by ICD varied over time. In order to standardize the natality rate over a 20 year time period, three categories of coded records were selected; those with both a Presentation of Fetus "P" Code and supplemental "V27" Code (n = 55,057), those with a V Code alone (n = 9,454), and those with a P Code alone (n = 22,423).

The breakdown by singleton, twin, and multiple births indicated that most of the database described singleton birth-alive events (n = 85,557 or 98%).

The numerator data was previously described in greater detail in the draft report, but note that the numbers are significantly lower in the first 5 year period between 1975 and 1979. This is because Presentation of Fetus Codes were the only codes used during this period of time. The change in coding stabilized over the remaining 15 years of time up to 1994.

Describing the same dataset by ADAF mother yielded 64,859 individual women with a small proportion of problematic events. The breakdown of events by number of births also indicated that the overall study is primarily focusing on singleton births.

Exhibit 1 Structure for database: ADAF_WOMEN_EVENT.DBF (n = 86,934)

1	StudyID	Numeric	5	
2	PROBDATES	Character	1	1=<=5 days, 2=6-299 days between
				pregnancies
3	CONTRA	Character	1	1=V or P code missing,
				2=contradiction, single/twin
				3=contradiction, multiple,
4	COMB NUM	Character	2	Number of fetuses in birth alive/dead
	-			using V and P codes
5	V NUM	Character	2	As above, using only V code
6	P_NUM	Character	2	As above, using only P code
7	VCODE1	Character	1	Coded 1st V-code
8	VCODE2	Character	1	Coded 2nd V-code
9	VCODE3	Character	1	Coded 3rd V-code
10	PCODE1	Character	1	Coded 1st P-code
11	PCODE2	Character	1	Coded 2nd P-code
12	VCODETOT	Character	1	Combined Coded V-code -codes (coded)
13	PCODETOT	Character	1	Combined Coded P-code -codes (coded)
14	TOTCODE	Character	2	V and P combined codes (coded)
15	BIRTHREC	Character	1	1=Vcode alone, 2=Pcode alone, 3=both
16	BIRTHDATE	Date	8	
17	ADMDATE	Date	8	
18	DISPDATE	Date	8	
19	SOURCE	Numeric	1	
20	GENERAT	Character	1	
21	FPREFIX	Numeric	2	
22	MTF	Character	5	
23	ADM YR	Numeric	4	
24	ADM MO	Numeric	2	
25	ADM DAY	Character	2	
26	DISP YR	Numeric	4	
27	DISP MO	Numeric	2	
28	DISP DAY	Character	2	
29	BIRTHYR	Character	4	
30	BIRTHMO	Character	2	
31	BIRTHDAY	Character	2	
32	ADM AGE	Character	3	
33	SEX	Character	1	
34	RACE	Character	1	
35	OFF ENL	Character	1	
38			4	
	JOB_CODE	Character Character	3	
39	SERVICE		3	
40	MAJCOM	Character	5 5	
41	DUTY_ZIP	Character		
42	BENEFIT	Character	3	
43	DIAG_IND	Numeric	1	
44	ICDDIAG1	Character	5	
45	ICDDIAG2	Character	5	

46	ICDDIAG3	Character	5
47	CAUSEDTH	Character	5
48	DTHPOINT	Character	1
49	P_FETUS1	Character	2
50	P FETUS2	Character	2
51	SICKDAYS	Numeric	5
52	BEDDAYS	Numeric	5
53	DISPTYPE	Character	2
54	DISPSERV	Character	3
55	REC TYPE	Numeric	1
56	RECORDID	Numeric	8
57	KEEPER	Numeric	2
58	DUMMY	Numeric	2
59	ADM DY	Numeric	2
60	DISP DY	Numeric	2
61	B YR	Numeric	4
62	B MO	Numeric	2
63	B DY	Numeric	2
64	TEMP	Character	3
65	AGE	Numeric	2
66	RANK	Numeric	2
67	AFSC	Character	3
68	JOB GRP	Numeric	2
69	FLAG	Numeric	9
70	TIMEIN	Numeric	5
71	AGEGRP	Numeric	1
72	PFBIRTH	Numeric	2
73	BIRTHTYP	Numeric	2
74	BIRTH A	Numeric	1
75	BIRTH B	Numeric	1
76	BIRTH C	Numeric	1
77	BABY CNT	Numeric	2
78	BODY CNT	Numeric	2
79	ABORT	Numeric	1
80	CENSUS	Numeric	2
81	MAJCOMGP	Numeric	2
82	PRETERM	Numeric	2
83	HYPER	Numeric	2
84	MAPTERM	Numeric	2
85	REGION	Character	5
86	CENGRP	Numeric	9
* T	otal **		238

DISTRIBUTION OF PROBLEMATIC EVENTS EVENTS WITH POSSIBLE PROBLEM DATES SAME SUBJECT ADMISSIONS WITHIN 5 DAYS 24 SAME SUBJECT ADMISSIONS BETWEEN 5-300 DAYS 16 CONTRADICTIONS BETWEEN V & P CODES 173 FOR SINGLETON & TWIN BIRTHS (BY V CODE) 16 FOR HIGHER MULTIPLE BIRTHS (BY V CODE) 16 CONTRADICTIONS - MULTIPLE V CODES 2 CODES 2 CONTRADICTIONS - MULTIPLE V CODES 3 CONTRADICTIONS - MULTIPLE DAY V CODES ALONE: 9,454 IDENTIFIED BY P CODES ALONE: 9,454 IDENTIFIED	Exhibit 2	ADAF BIRTHS BY "EVENT"
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2. Case-definition

Exhibit 3

Adverse Reproductive Outcomes in Active Duty Airforce Women

Outcome	ICD-9-CM Definition	ICD-9-CM Codes
Ectopic Pregnancy	Abdominal pregnancy	633.0
	Tubal pregnancy	633.1
	Ovarian pregnancy	633.2
	Other ectopic pregnancy	633.8
	Unspecified ectopic pregnancy	633.9
Spontaneous Abortion	Miscarriage Spontaneous abortion	634.0-634.9
Placenta Previa	Placenta previa without hemorrhage	641.0 (0,1,3)
	Hemorrhage from placenta previa	641.1 (0,1,3)
Premature Separation of Placenta	Premature separation of placenta (abruptio placentae)	641.2 (0,1,3)
Pregnancy-induced Hypertension	Mild or unspecified pre-eclampsia	642.4
, p	Severe pre-eclampsia	642.5
	Eclampsia	642.6
Preterm Delivery	Early onset of delivery – Before 37 completed weeks of gestation	644.2
Cesarean Delivery	Cesarean delivery, without mention of indication	669.7 (0,1)

Exhibit 3 provides the range of ICD codes that define several outcomes of research interest. The primary outcomes evaluated in the case-control study are spontaneous abortion, pre-term delivery, and pregnancy induced hypertension. Crude Rates per 100,000 Population for Early Onset of Delivery, Pregnancy-Induced Hypertension (Pre-eclampsia/Eclampsia), and Spontaneous Abortion for ADAF Women (1990-1993) are presented below.

	Calendar Year				
	1990	1991	1992	1993	1990-1993
Early onset of delivery	739.4	692.7	841.1	894.3	791.88
Pregnancy Induced Hypertension	577.6	534.6	557.3	488.7	539.55
Spontaneous Abortion	439.0	386.3	349.2	276.9	362.85

The distribution of these three adverse outcomes are examined below.

3. Case-Distribution for (1970-1994) and (1990-1994) by Calendar Years, Age, Race, Rank, Major Command, Region, Job, US State

The following set of tables located in Exhibit 4 describe the coding and distribution of spontaneous abortions (SPONAB), birth events (EVENT), pre-term delivery (PRETERM), and pregnancy induced hypertension (HYPERTEN) for the total data set over 20 years (TOTAL) and are repeated for the sub-set of years (1990-1994).

Over the 20 year period of time, there is a drop in cases as of 1990, attributable to a reduction in the work force. Also consistent with underlying demographic distributions, the number of cases is greatest between the ages of 20 and 29 years old, primarily under the Major Command labeled "Operations" as opposed to training and logistic commands. Also there are very few cases from outside the continental USA. Though these are raw numbers and not rates, note that race is considered a potential risk factor for these outcomes and is also included here.

The distribution of cases by type of job also reflects the fact that a high proportion of women are in "Health Care" and traditional "Service and Supply" jobs. We are however, equally interested in women holding non-traditional jobs which account for a small proportion of cases (170 for spontaneous abortion, 21 for preterm delivery, and 28 for hypertension). The evidence suggests one should over sample in the non-traditional category in order to capture as many of these individuals as possible in the case-control study

Lastly for feasibility and logistic purposes we stratified the three cases by US States in order to select higher density areas with many AF bases or referral hospitals. Note that California, Florida, Mississippi, Nebraska, Nevada, New Mexico, Texas, Virginia, and Louisiana account for most of higher density states.

The reexamination of distribution of cases to be selected from 1990 to 1994 indicate there are 1,367 cases for spontaneous abortion, 984 cases for preterm delivery, and 640 cases for hypertension. It is expected that the addition of two more years will increase the pool of available number of cases in order to ascertain 625 cases of each of the three adverse reproductive outcomes. The proposed cases (n=1,875) will be selected randomly from hospital discharge records. One control (n=1,875) will be selected for each case; a woman who delivers a normal newborn without pregnancy complications, matched to the case on the date of conception (+/- 2 months) and on AFB assignment. These controls will be selected randomly from potentially eligible women identified through the discharge files used to ascertain cases. The matching of each control to each case assures comparable information on occupational exposures and comparable access to medical care, which may vary between AFBs. Matching on these factors will reduce most potential bias without seriously limiting the risk factors we can study. For these a preview of the geographic dispersion of cases by state and base and command are important factors.

As seen earlier, the distribution of cases by job also showed "Health Care" and traditional "Service and Supply" jobs contained a larger proportion of the cases. In a separate review on the following page, the distribution of cases by Job and Major Command also showed that the number of cases were concentrated in "Operation Commands".

A more detailed review follows, where within each of the four major job categories (Administrative, Health Care, Service and Supply, Non-traditional, and Missing), is a breakdown of cases by US

State. It becomes clear that 9-10 states account for most of the cases reducing the logistical problems in retrieving records.

With the addition of the next two years of data, we do not anticipate a large shift in the available distribution of cases by major demographic factors. As it stands now, it will be a simple step is to identify the name of the bases within each state that contribute to the number of cases.

4. Industrial Hygiene Exposure Assessments

In February 1997, Diana Echeverria visited 4 Air Force Bases to determine how exposure data (independent of the medical record) is maintained at different bases. The study design takes advantage of routine Air Force procedures to document occupational exposures once a pregnancy has been confirmed. Within 5 days of clinical recognition, a physician and industrial hygienist assess each pregnant women's work place, talk to her, and to her supervisor. A physician's laboratory confirmation report, a Workplace File (AF Form 2755), a supervisor's letter, and the bioengineer's report (AF Form 513) are placed in the outpatient medical file. The data are sent to the Flight Surgeon's office which summarizes and reviews the material and issues the rationale for restrictions on a pregnancy Physical Profile (AF Form Profile 422). This form is also kept in the woman's outpatient medical file. The bioengineering AF Form 513 is more useful than the pregnancy Physical Profile as it contains well documented information listing; the location, jobtitle(s), descriptions of tasks, level of physical effort, exposures to noise, thermal stress, ionizing radiation, electromagnetic fields, metals, and solvents by chemical name and concentration (when available). The form is keyed to the Industrial Case File maintained by all Bioengineering Departments on every AFB, which maintain measured work place exposures.

Therefore, AF Form 513 contains all the recorded information necessary to extract chemical and physical exposures for each pregnancy, and the Industrial Case Files will be prove useful to assess the quality of this data.

However, after the IH visits, it was determined that there will be cases where the bioengineering form 513 is removed from the case files or is incomplete. Therefore, the most feasible way to collect the data recorded on the 513 and other relevant data is to first interview the women to determine which location a women worked in just before and during the relevant pregnancy. An IH technician will then visit the designated base to pick up a copy of the local medical record (if available), a listing of flight hour s (if any), the 513 form, and appropriate base-line and follow-up IH surveys conducted in her work area the year before and during the year of the pregnancy. This data will be entered while at the base using well-defined data-entry screens on a lap-top PC while visiting the base. More complex information found on baseline surveys can also be copied and sent to the study center. The computerized forms are to be written in Visual FoxPro.

With respect to the IH data collected from the women by interview, Dr. Echeverria has developed the portion of the computer assisted telephone interview (CATI) questionnaire. Within the two year interval of interest, an occupational and deployment history will be collected accompanied by information on shifts, routine exposures and acute over-exposures from spills, unusual events, accidents, and injuries for each job. The questions are partially based on portions of the questionnaire developed by the Naval Health Research Center, San Diego, for the U.S. Navy Shipboard Health Survey, assuring comparability with other military service studies. Occupational exposures, hypothesized to influence risks for the outcomes under study, will be collected through time- and exposure-specific matrices. This includes exposure to physical agents such as heat, noise, vibration,

ionizing radiation, and electromagnetic fields. Chemical agents of particular interest include heavy metals, jet fuels and solvents, sterilizing agents, and anesthetic gases. The frequency and duration of manual handling will also be requested for each job to permit comparison with the NIOSH Lifting Equation Index for over-exposure. Each task will be rated for the NIOSH variables, including mass, frequency, and the trajectory of the lift in coordinates measured from the hip girdle.

5. Reproductive History and Risk Factor Assessments

For each subject, inpatient medical records relevant to the index pregnancy will be obtained. This will include a copy of pregnancy workplace interviews conducted by the Air Force public health staff; a copy of the IH risk profile; and a copy of the obstetric record, including the delivery record. For each subject the medical record of the index admission will be requested from the Military Treatment Facility where the event occurred. The request is generated at the time the subject agrees to participate in the study. These records will be abstracted to obtain information on demographic factors and possible risk factors and confounders, such as smoking history, alcohol use, and maternal diabetes.

A one hour computer assisted telephone interview (CATI) questionnaire is almost ready for field testing and is similar in content to the questionnaires used in the USPHS 1988 National Maternal and Infant Health Survey. Study-specific CATI questionnaires will include questions regarding demographic variables including age, race, ethnicity, and marital status. Of particular interest for the study will be potential risk factors associated with the index pregnancy. We will use the maternal questionnaires to obtain exposure information from the subjects that are comparable to what is included in the pregnancy risk profile. This will allow us to do direct comparisons of information sources, to estimate exposures for comparable occupations when there is no risk profile, and to examine the question of recall bias in women with adverse outcomes. Risk factor information, which will be obtained for the three months prior to pregnancy and for each trimester, will include maternal health status, level of physical activity, changes in shifts or duty schedules, and psychological stress, alcohol consumption, and smoking history.

The questionnaires includes a section on time-to-pregnancy for the index pregnancy. Time-to-pregnancy is considered an outcome of interest in reproductive epidemiology and has been shown to be associated with both occupational and other exposures, such as smoking. Also included are questions regarding the occurrence of infertile periods lasting six months or more or seeking clinical evaluation and treatment for infertility.

Drs. Pennybacker, Echeverria, and Sever will be ready to conduct a small pilot study on 25 subjects in the next four months to assure accuracy and thorough training of the staff and to have a preliminary review of all fields extracted from records.

Appendix B

List of Publications, Abstracts, and Personnel

Over the course of the first year of this study, there have been no publications, attendance of annual meetings, or abstracts.

Dr. Diana Echeverria did however meet with USAF Lt. General Charles Rodeman Public Health Staff at Andrews Air Force Base including Col. M. Parkinson, Lt. Col. M. Ediger, and Lt. Col. S. Zelnick, and Col. Leo Cropper.

List of Personnel

Battelle CPHRE:

Diana Echeverria
Lowell Sever
Alvah C Bittner, Jr.
Margaret Pennybacker
Thomas Doane
Nancy Woods (Consultant)
Nicholas Heyer (Consultant)

University of Texas:

John Herbold Benjamin Bradshaw

USAF:

Kevin Greyson